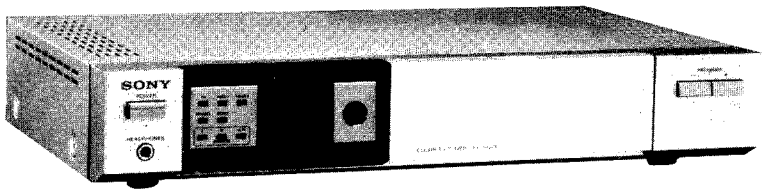
VTX-100ES
RM-611

SERVICE MANUAL

AEP Model
Chassis No.: SCC-402-A



March, 1982

Also refer to Adjustment manual.

SPECIFICATIONS

Television system	CCIR system B and G
Sound system	West Germany ZWEI-TRÄGER (two-carrier) system
Channel coverage	VHF channels 2–12 UHF channels 21–68
Programing system	30 programs Automatic programing digital tuning
Antenna	75-ohm standard antenna socket (DIN45325/IEC169-2)
Inputs	VIDEO-1 and VIDEO-2 IN VIDEO (BNC connector) 1V p-p, 75-ohms, unbalanced, sync negative AUDIO (2 phono jacks) –5 dBs (436 mV rms), 50 kilohms CONTROL (minijack) 1–3V p-p MULTI IN (8-pin socket) Same as the above VIDEO, AUDIO and CONTROL
Outputs	MONITOR and TV OUT VIDEO (BNC connector) 1V p-p, 75 ohms, unbalanced, sync negative AUDIO (2 phono jacks) –5 dBs (436 mV rms), 5 kilohms CONTROL (minijack) 1–3V p-p MULTI OUT (8-pin socket) Same as the above VIDEO, AUDIO and CONTROL HEADPHONES (stereo binaural jack) Accepts low and high impedance stereo headphones
Power requirements	220–240V ac, 50 Hz
Power consumption	12 W
Dimensions	Approx. 430 × 80 × 265 mm (w/h/d)
Weight	Approx. 4.5 kg
Accessories supplied	Remote Commander RM-611 Video Cable VK-2D (8-pin plug to 8-pin plug, 2m)

MICROFILM

COLOR TV TUNER

SONY®

ACC

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

WARNUNG !!

UM ELEKTRISCHE SCHLÄGE ZU VERMEIDEN, SOWIE MESSGERÄTE BEI REPARATUREN VOR ZERSTÖRUNG ZU SCHÜTZEN, DARF DAS GERÄT BEI ABGENOMMENER RÜCKWAND NUR ÜBER EINEN ENTSPRECHEND DIMENSIONIERTEN TRENNTRANSFORMATOR BETRIEBEN WERDEN.

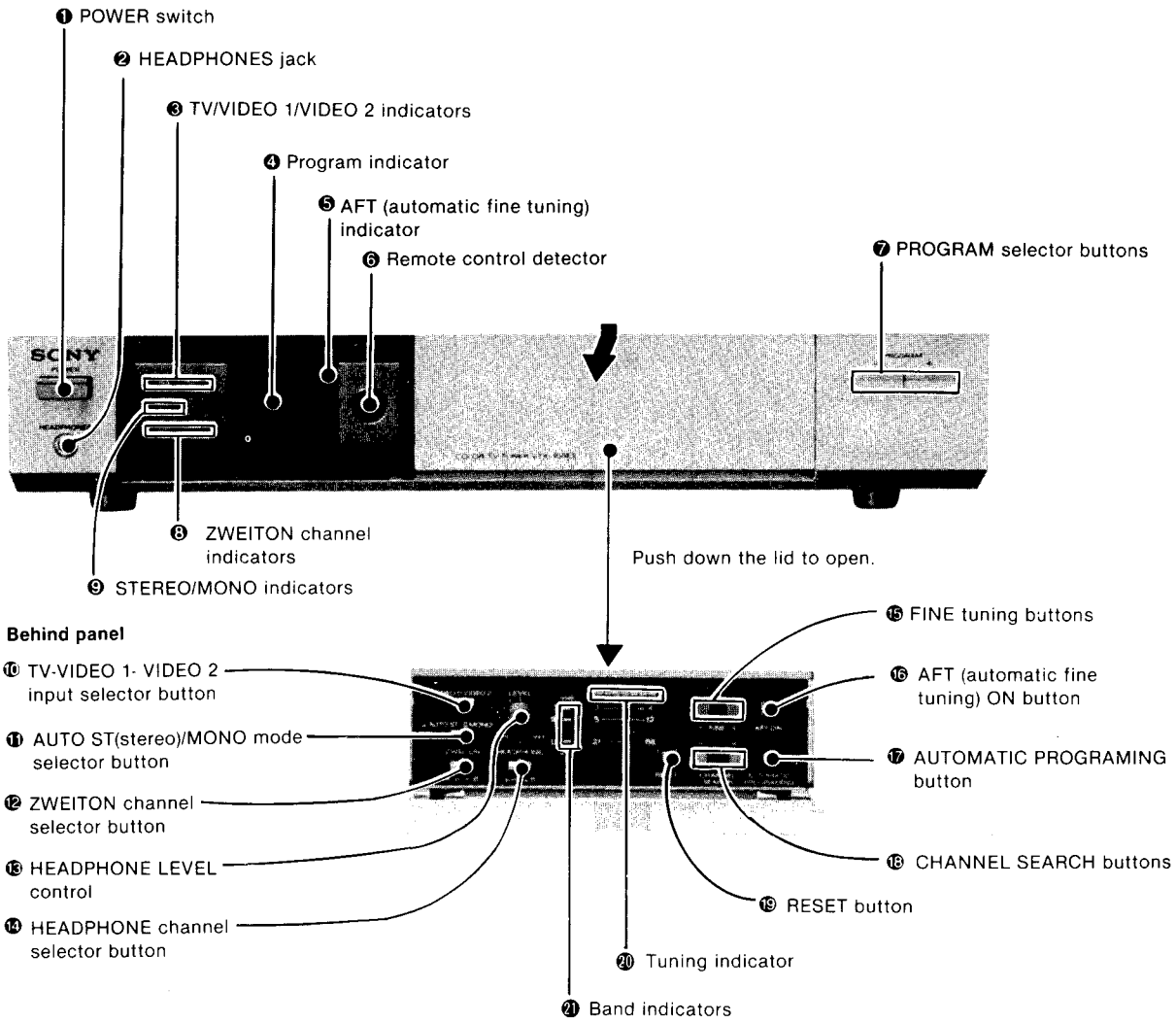
SICHERHEITSHINWEIS FÜR KOMPONENTEN !!

DIE IN DEN SCHALTBILDERN. DEN IN EINZELTEILE AUFGELÖSTEN PERSPEKTIVISCHEN ZEICHNUNGEN UND DEN TEILELISTEN SCHRAFFIERT EINGEZEICHNETE UND DURCH DAS ZEICHEN ⚠ GEKENNZEICHNETE KOMPONENTEN SIND FÜR DIE BETRIEBSSICHERHEIT KRITISCH. DIESE KOMPONENTEN SIND DURCH SOLCHE SONY TEILE ZU ERSETZEN, DEREN TEILENUMMERN IN DIESEM HANDBUCH ODER IN VON SONY HERAUSGEGEBENEN ERGÄNZUNGEN ANGEGEBEN SIND.
AUF FÜR DIE BETRIEBSSICHERHEIT KRITISCHE SCHALTUNGSEINSTELLUNGEN WIRD IN DIESEM HANDBUCH HINGEWIESEN.
BEFOLGEN SIE DIESE ANWEISUNGEN STETS, WENN KRITISCHE KOMPONENTEN AUSGEWECHSELT WERDEN ODER VERDACHT AUF FUNKTIONSSTÖRUNGEN BESTEHT.

SECTION 1
OUTLINE

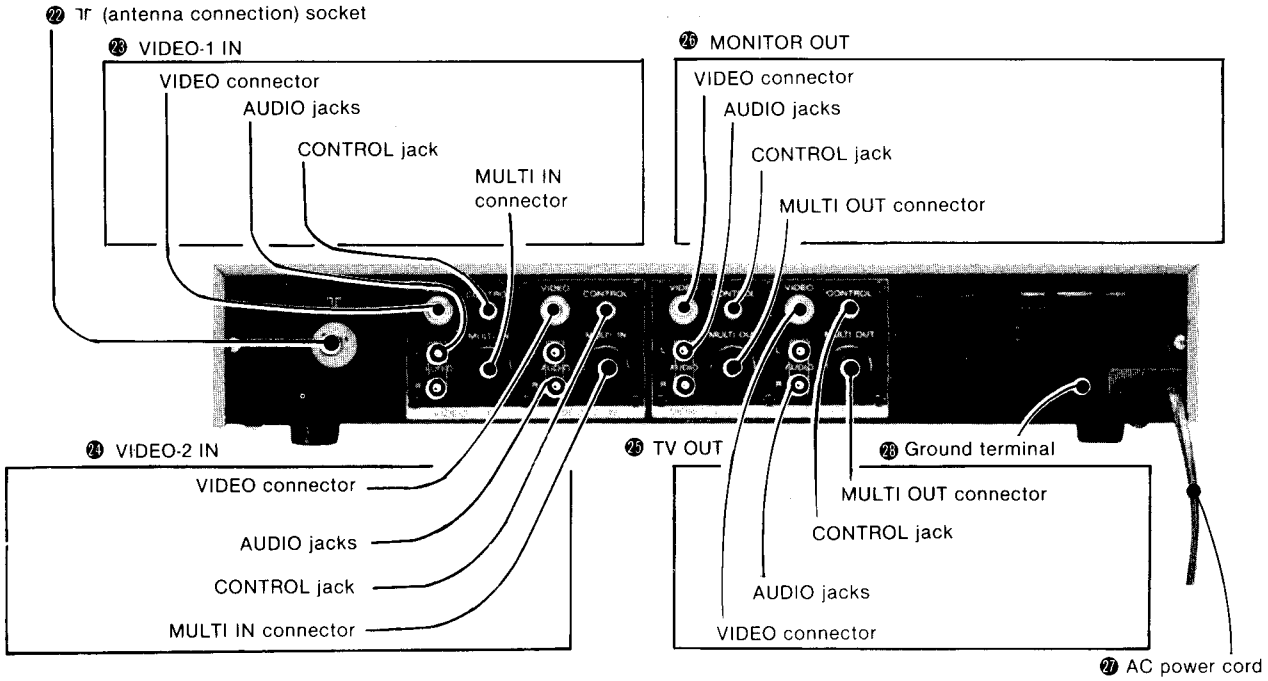
1-1. LOCATION AND FUNCTION OF PARTS AND CONTROLS

Front

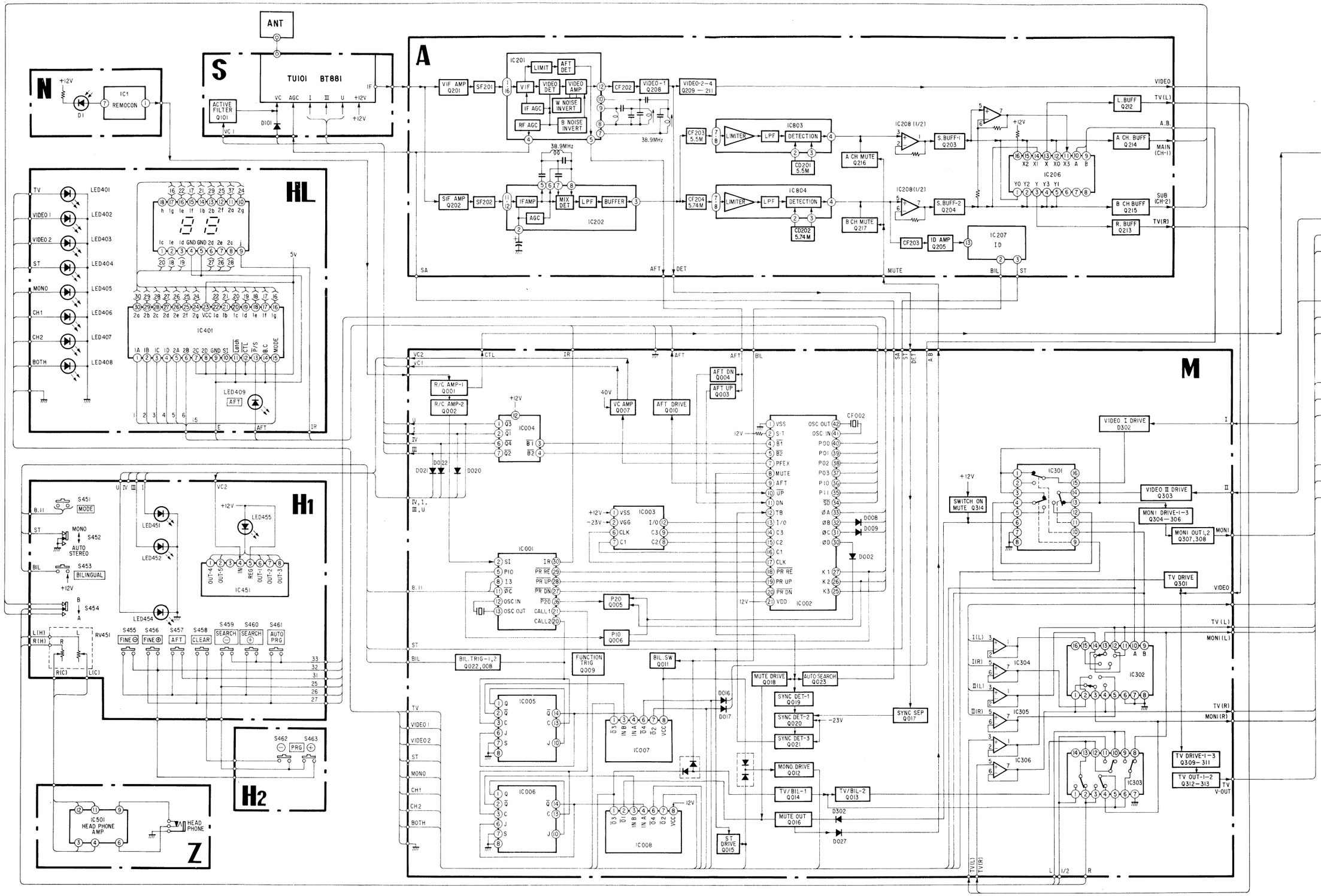


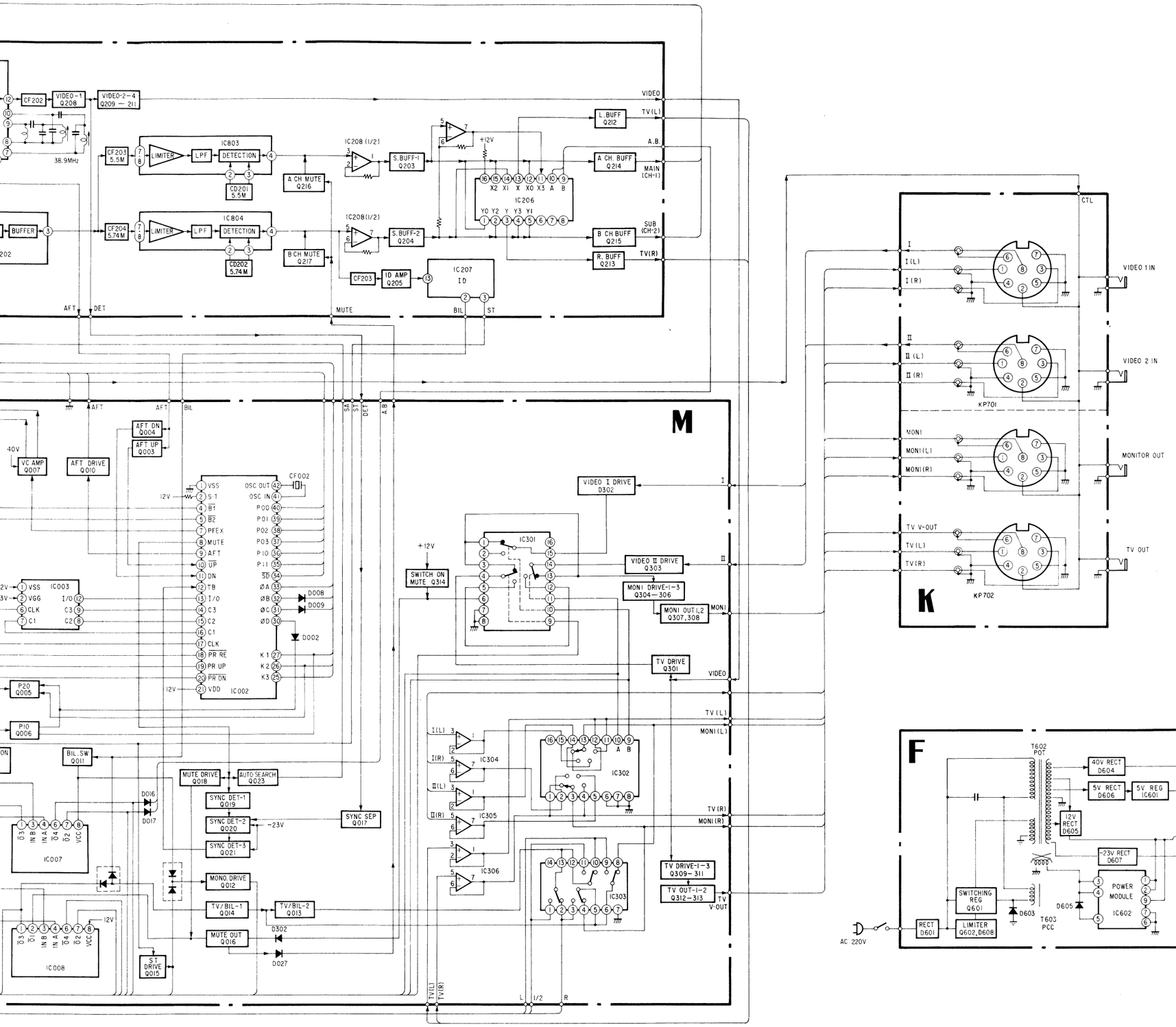
Behind panel

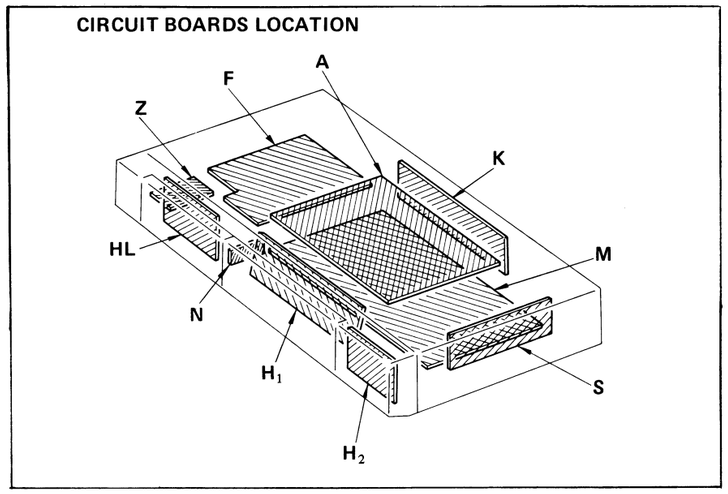
Rear


㉒ ⅂ (antenna connection) socket
㉓ VIDEO-1 IN
VIDEO connector
AUDIO jacks
CONTROL jack
MULTI IN connector
㉖ MONITOR OUT
VIDEO connector
AUDIO jacks
CONTROL jack
MULTI OUT connector
㉔ VIDEO-2 IN
VIDEO connector
AUDIO jacks
CONTROL jack
MULTI IN connector
㉕ TV OUT
㉘ Ground terminal
MULTI OUT connector
CONTROL jack
AUDIO jacks
VIDEO connector
㉗ AC power cord

1-2. BLOCK DIAGRAM




CF202
VIDEO-1 Q208
VIDEO-2-4 Q209 — 211
38.9MHz
IC803
CF203 5.5M
LIMITER
LPF
DETECTION
CD201 5.5M
A CH MUTE Q216
IC208 (1/2)
S.BUFF-1 Q203
IC804
CF204 5.74M
CD202 5.74M
B CH MUTE Q217
S.BUFF-2 Q204
IC206
X2 X1 X X0 X3 A B
Y0 Y2 Y Y3 Y1
+12V
L. BUFF Q212
A CH. BUFF Q214
B CH BUFF Q215
R. BUFF Q213
VIDEO
TV(L)
A.B.
MAIN (CH-1)
SUB (CH-2)
TV(R)
CF203
ID AMP Q205
IC207 ID
AFT
DET
MUTE
BIL
ST
BUFFER
AFT DN Q004
AFT UP Q003
VC AMP Q007
AFT DRIVE Q010
40V
CF002
VSS
S-T
B1
B2
PFEX
MUTE
AFT
UP
DN
TB
I/O
C3
C2
C1
CLK
PR RE
PR UP
PR DN
VDD
OSC OUT
OSC IN
P00
P01
P02
P03
P10
P11
SD
ØA
ØB
ØC
ØD
K1
K2
K3
IC002
IC003
D008
D009
D002
P20 Q005
P10 Q006
BIL SW Q011
MUTE DRIVE Q018
AUTO SEARCH Q023
SYNC DET-1 Q019
SYNC DET-2 Q020
SYNC DET-3 Q021
SYNC SEP Q017
D016
D017
-23V
IC007
IC008
MONO DRIVE Q012
TV/BIL-1 Q014
TV/BIL-2 Q013
MUTE OUT Q016
D302
D027
ST DRIVE Q015
M
VIDEO I DRIVE Q302
IC301
SWITCH ON MUTE Q314
VIDEO II DRIVE Q303
MONI DRIVE-1-3 Q304—306
MONI OUT 1,2 Q307,308
TV DRIVE Q301
IC304
IC305
IC306
IC302
IC303
TV DRIVE-1-3 Q309—311
TV OUT-1-2 Q312—313
TV V-OUT
CTL
I
I(L)
I(R)
II
II(L)
II(R)
MONI
MONI(L)
MONI(R)
TV(L)
TV(R)
KP701
KP702
K
VIDEO 1 IN
VIDEO 2 IN
MONITOR OUT
TV OUT
F
T602 POT
40V RECT D604
5V RECT D606
5V REG IC601
12V RECT D605
-23V RECT D607
POWER MODULE IC602
SWITCHING REG Q601
LIMITER Q602,D608
RECT D601
D603
D605
T602 PCC
AC 220V
40V
5V
12V
-23V

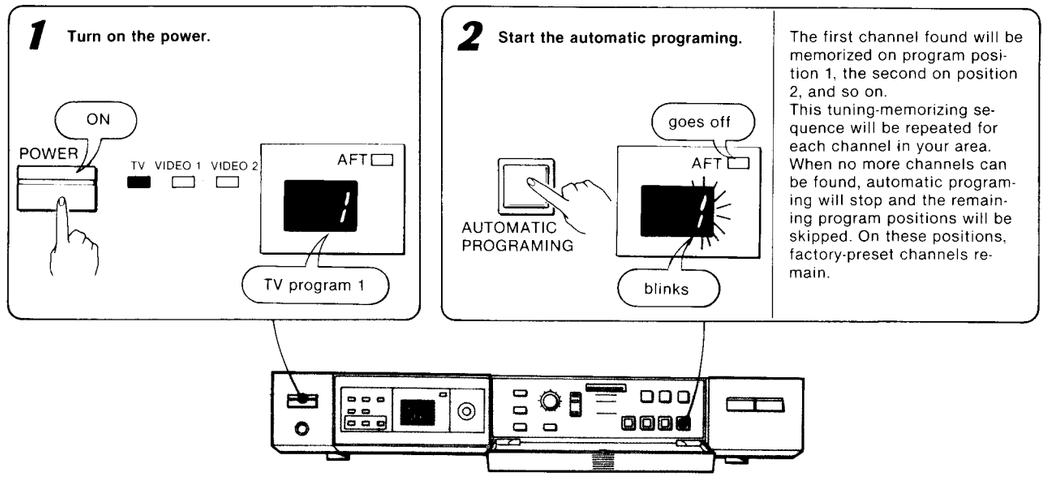

CIRCUIT BOARDS LOCATION
A
F
Z
K
HL
M
N
H1
S
H2

1-3. PROGRAM PRESETTING

This TV tuner has 30 program positions. Once you preset the channels broadcast in your area, program selection is simply made by pressing the PROGRAM buttons on the TV tuner or using the hand-held Remote Commander.
Perform program presetting by following one of the two procedures; automatic programing or manual programing.

AUTOMATIC PROGRAMING

With the automatic programing system, receivable VHF and UHF channels in your area can be preset automatically in numerical sequence; from the lowest frequency VHF channel through the highest UHF channel.



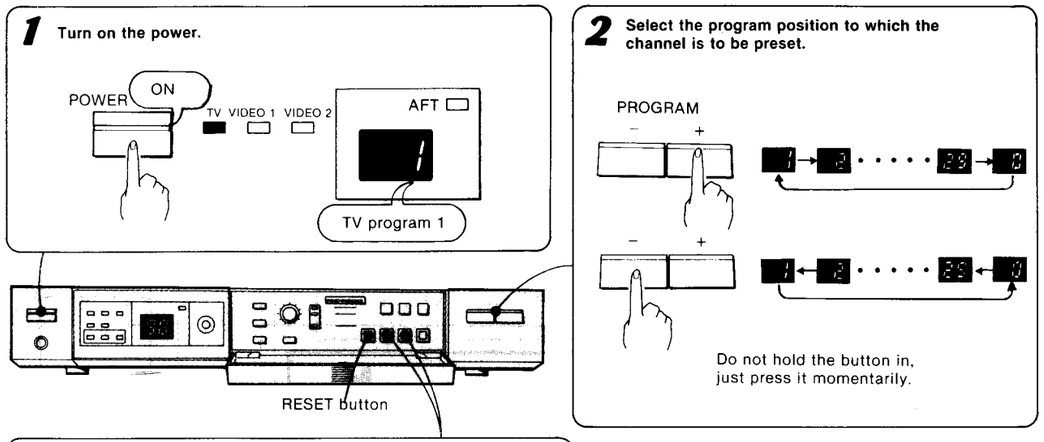
Guide for automatic programing procedure

	While programing	When the programing is finished
Picture and/or sound	No picture and no sound between stations. When tuned in and memorized, the program will appear.	The program on position 1 will appear.
Program indicator and AFT indicator	The number corresponding to the program position being preset will blink continuously. The AFT indicator does not light. AFT AFT 1 → 2	The number "1" will appear (not blink). The AFT indicator will light. AFT 1
Tuning indicator and band indicator lamps	Indicate the approximate position of the channel number being searched. I II U 2—4 5—12 21—68	Indicate the approximate position of the channel number. I III U 2—4 5—12 21—68

After the presetting has been completed, select the program with the PROGRAM buttons to check the results of the automatic programing, referring to your local TV listing.

MANUAL PROGRAMING

With the manual program search system, the channels you want can be preset in the desired sequence.
Any program position can be set to any frequency from below channel 2 to the highest UHF TV channel. Consult your local TV listings to find out the active channels in your area.
Make a list of your desired VHF and UHF channels and arrange them in the desired sequence.



3 Tune in the desired station.

Do not hold the button in, just press it momentarily.
Use the tuning indicator and band indicators as guides.

While searching for a station
No picture appears.
The program number blinks.
The AFT indicator goes off.

When a station is tuned in
A picture appears.
The program number stops blinking.
The AFT indicator lights.

If searching stops between channels
This may happen in strong signal areas. Just press the CHANNEL SEARCH button again.

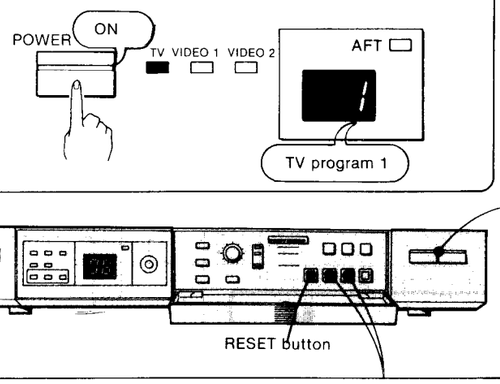
Repeat steps **2** and **3** until all the desired TV stations have been preselected.

Use of the RESET button
If this button is pressed, any memory on the selected program position will be erased and the set will be automatically tuned to a frequency below channel 2.
To tune in the desired station in step **3** above, you may alternatively use the RESET button. Press the RESET button first, then the CHANNEL SEARCH button. If the + button is pressed once, the available lowest-frequency VHF channel will be tuned in. If the – button is pressed once, the highest-frequency UHF channel will be tuned.
● It is recommended that you press the RESET button for unused program positions if any.

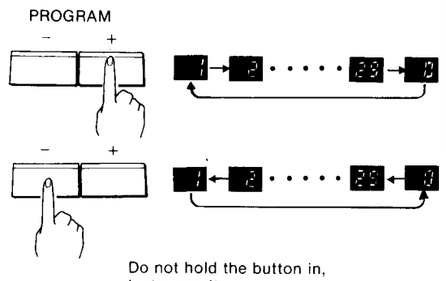
MANUAL PROGRAMING

With the manual program search system, the channels you want can be preset in the desired sequence.
Any program position can be set to any frequency from below channel 2 to the highest UHF TV channel. Consult your local TV listings to find out the active channels in your area.
Make a list of your desired VHF and UHF channels and arrange them in the desired sequence.

1 **Turn on the power.**



2 **Select the program position to which the channel is to be preset.**



Do not hold the button in, just press it momentarily.

3 **Tune in the desired station.**

For higher numbered channels

For lower numbered channels

Do not hold the button in, just press it momentarily.
Use the tuning indicator and band indicators as guides.

While searching for a station
No picture appears.
The program number blinks.
The AFT indicator goes off.

When a station is tuned in
A picture appears.
The program number stops blinking.
The AFT indicator lights.

If searching stops between channels
This may happen in strong signal areas. Just press the CHANNEL SEARCH button again.

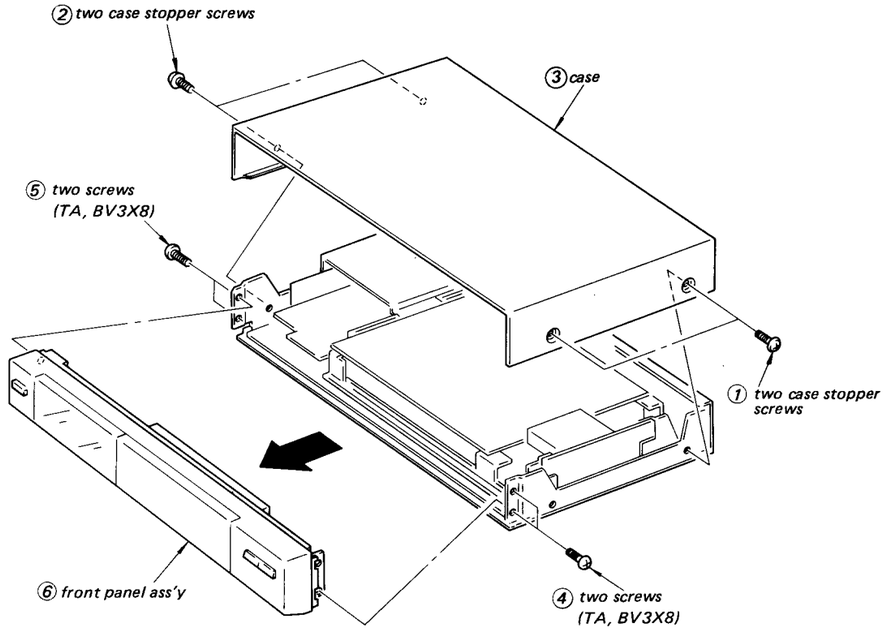
Repeat steps **2** and **3** until all the desired TV stations have been preselected.

Use of the RESET button
If this button is pressed, any memory on the selected program position will be erased and the set will be automatically tuned to a frequency below channel 2.
To tune in the desired station in step **3** above, you may alternatively use the RESET button. Press the RESET button first, then the CHANNEL SEARCH button. If the + button is pressed once, the available lowest-frequency VHF channel will be tuned in. If the - button is pressed once, the highest-frequency UHF channel will be tuned.
● It is recommended that you press the RESET button for unused program positions if any.

SECTION 2
DISASSEMBLY

● Follow the disassembly procedure in the numerical order given.

2-1. FRONT PANEL ASS'Y REMOVAL



SECTION 3
DIAGRAMS

[REMOTE CONTROL RECEIVE] **N**

[SWITCHING] **H2**

[CHANNEL INDICATOR] **HL**

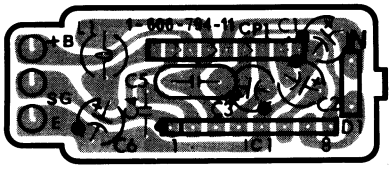
3-1. MOUNTING DIAGRAMS

– Conductor Side –

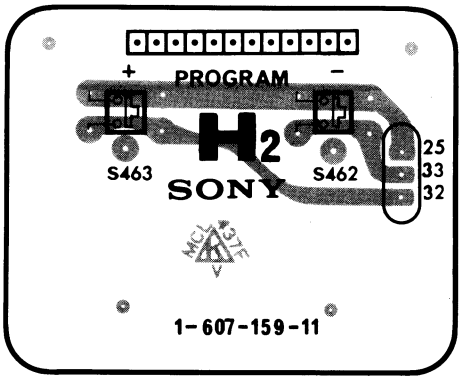
A B C

1 2 3 4

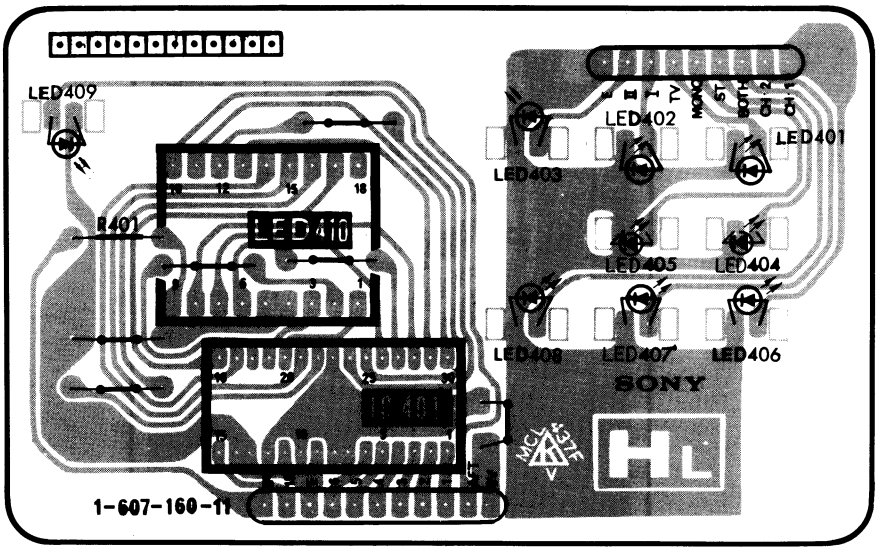
– N Board –



– H_2 Boad –



– HL Board –



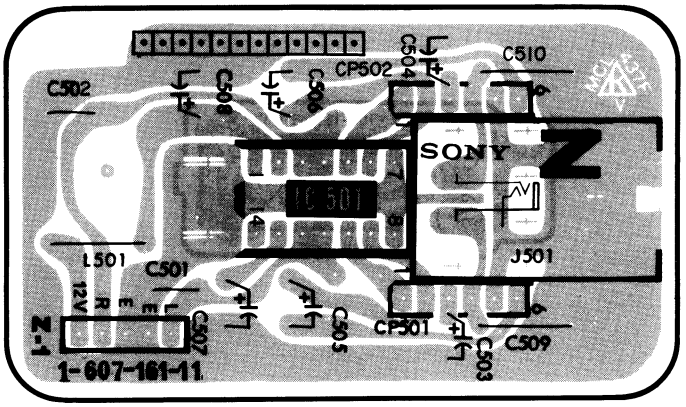
Z [HEADPHONE AMP]

S [TUNER, ACTIVE FILTER]

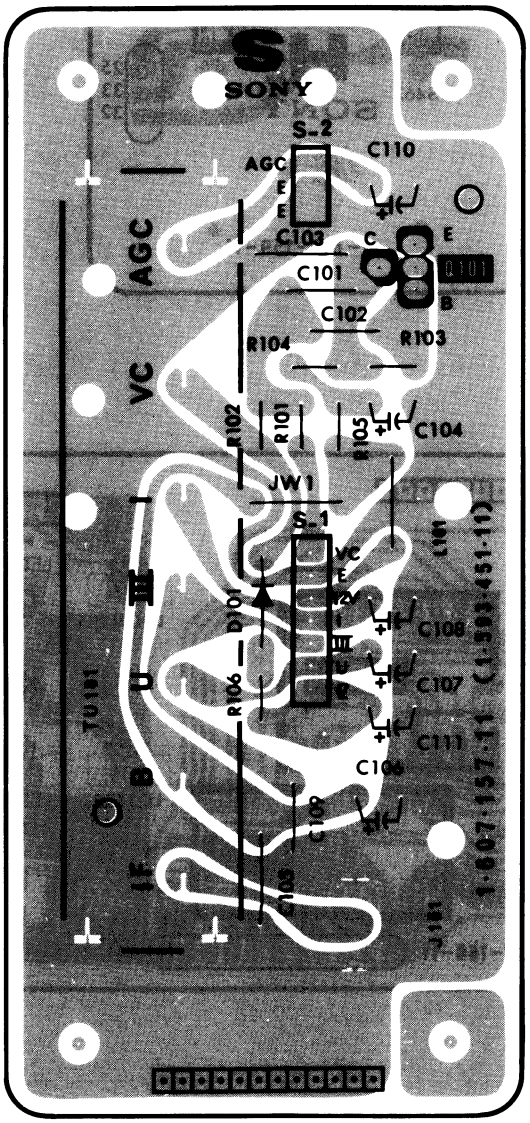
A B C

1 2 3 4 5

– Z Board –



– S Board –



[CUSTOMER CONTROL
BAND SELECT, ROUGH IND
CHANNEL SELECT] **H1** **H1**

[VIDEO IN, TV OUT
MONITOR OUT] **K** **K**

A B C D E F G

1

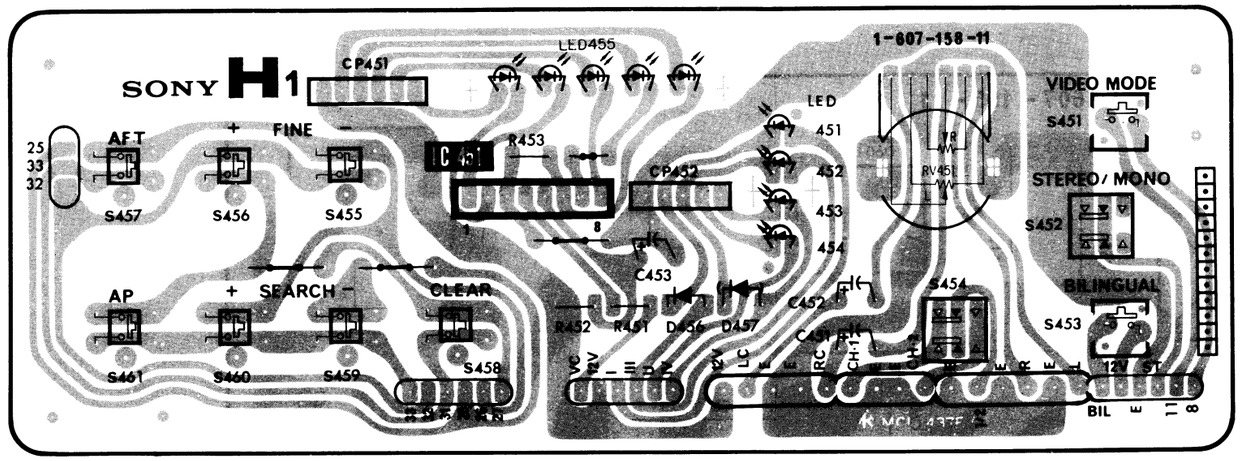
2

3

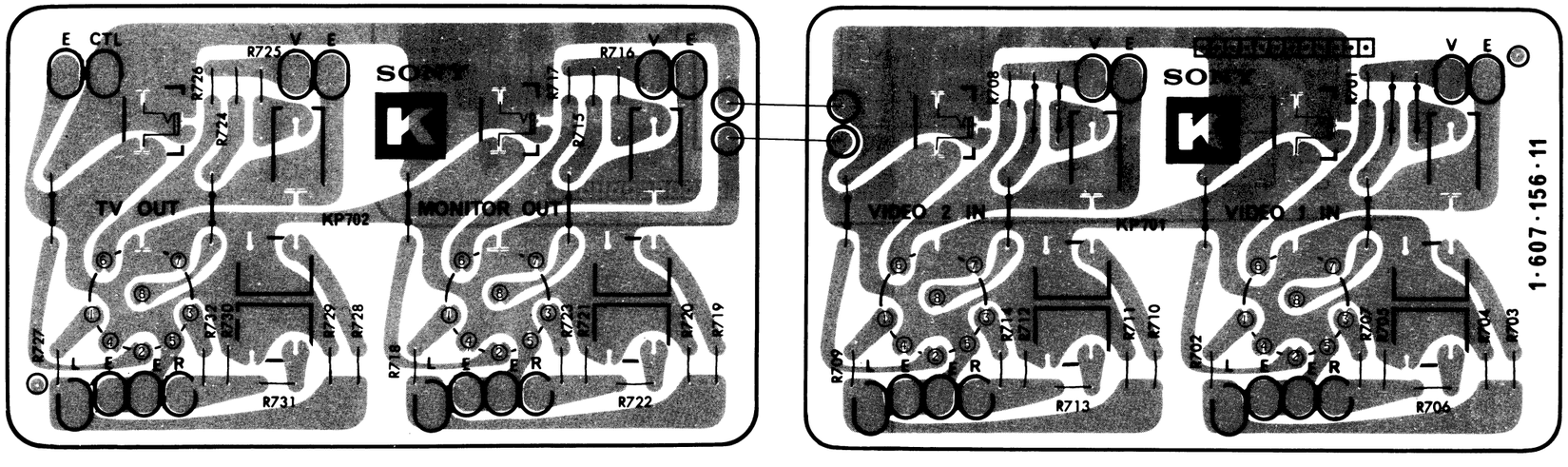
4

5

– H_1 Board –



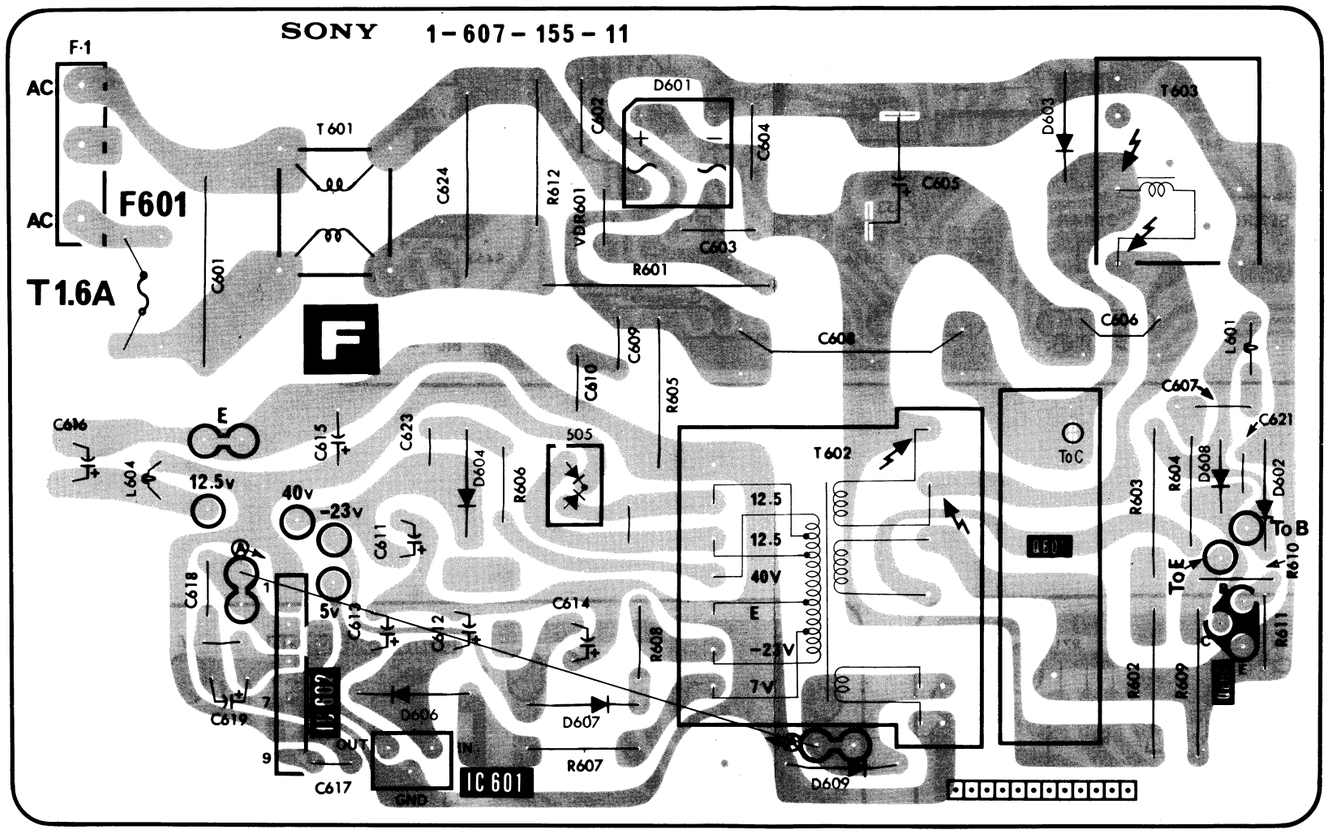
– K Board –



A B C D E F G

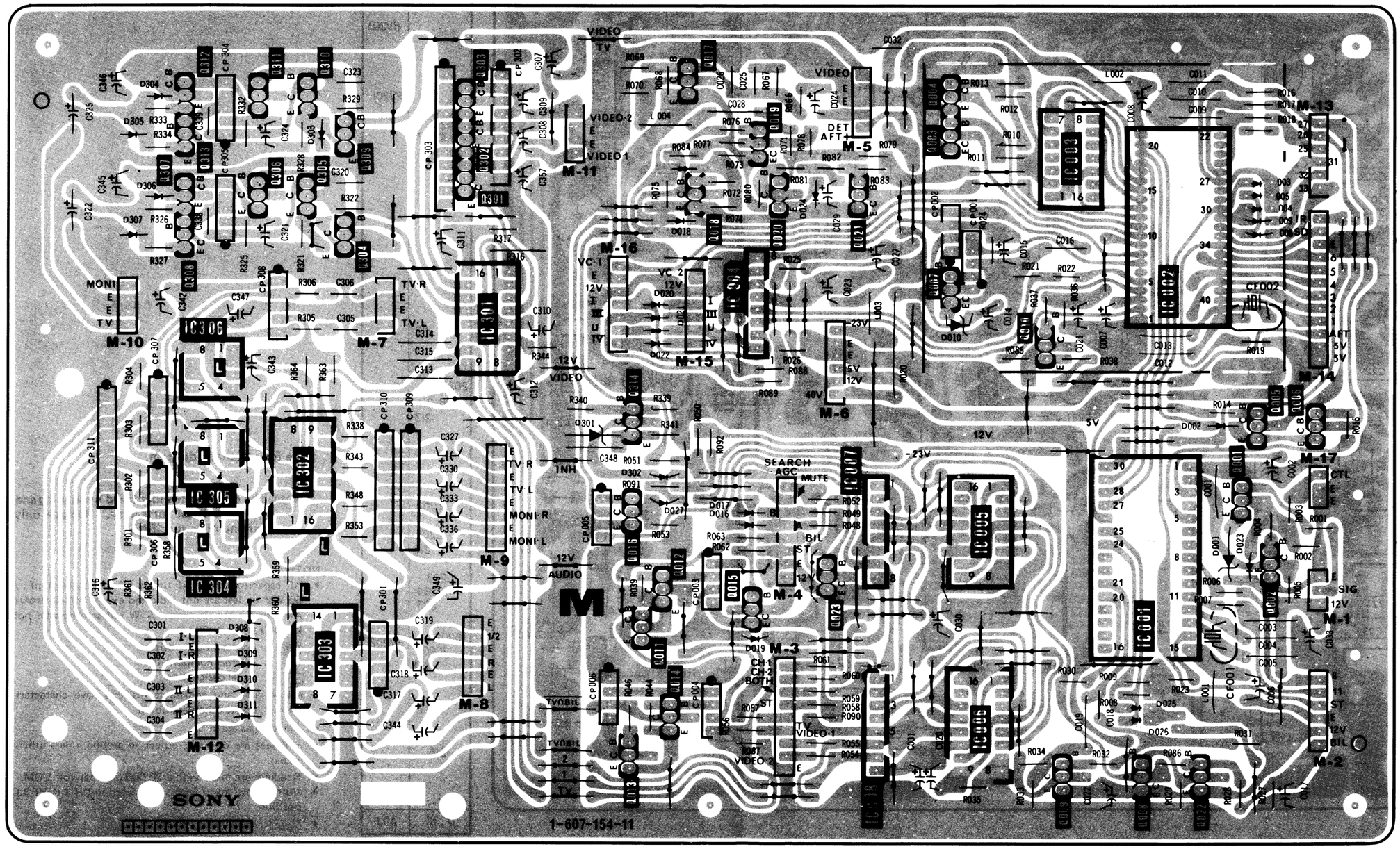
1 2 3 4 5

– F Board –



[MONITOR DRIVE, TV DRIVE
MEMORY, SYNC, FUNCTION, BILINGUAL
BAND SW, PROTECTOR, SOUND OUT] **M** **M**

— M Board —



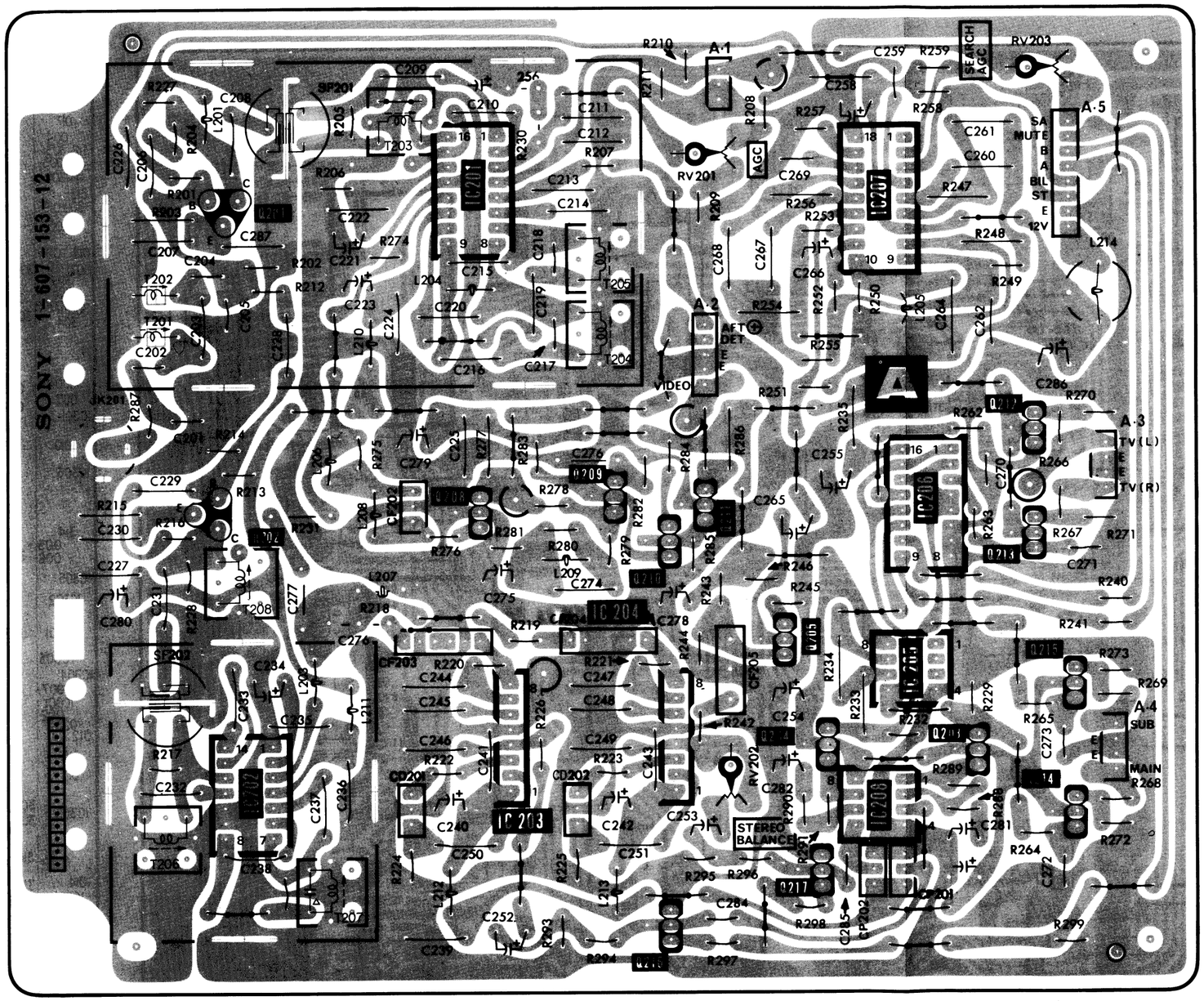
Q , IC	D
017	
004	
312 303	
311 003	
310 302	
313	
309 019	
IC003	
018 021	
307 020	306
306	024
305	018 009
308 IC002	307 008
304	
IC004	020
007	021
IC301	010
010	022
IC306	
314	
005	002
006	301
IC305	
IC302	302
001	027
016	017
IC005	016
IC304	
IC007	001
IC001	023
002	
023	
012	
015	
011	
	019
	308
IC303	309
	310
014	311
IC006	
IC008	
009	
008	
022	
013	
Q , IC	D

[VIF AMP, VIF, V OUT, AFT, DET
SIF, AF AMP, S BUFFER, ID
STEREO MATRIX, ID AMP] **A** **A**

A B C D E F

1 2 3 4 5

– A Board –



Q , IC	ADJ
	RV203
	RV201
IC201 IC207 201	
212	
IC206 202,209 208,211 213	
205	
IC205 215	
IC203 IC204 203	
IC202 IC208 214	RV202
217	
216	
Q , IC	ADJ

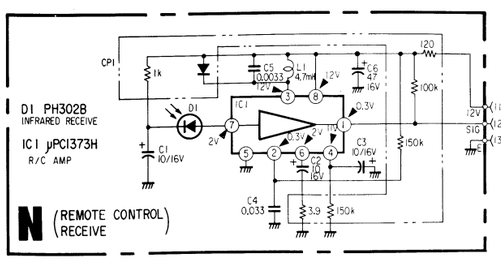
Note for schematic diagram.

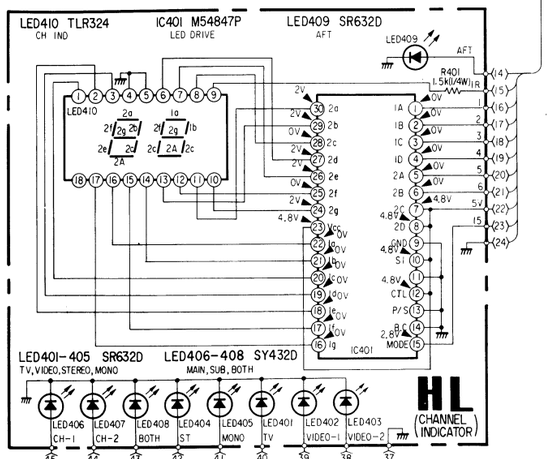
Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

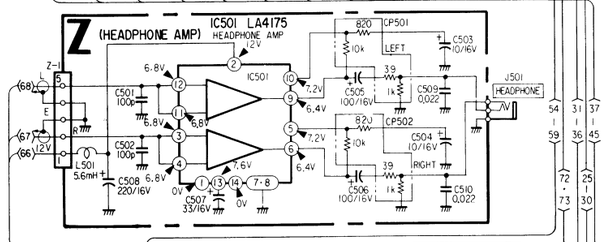
NOTE:

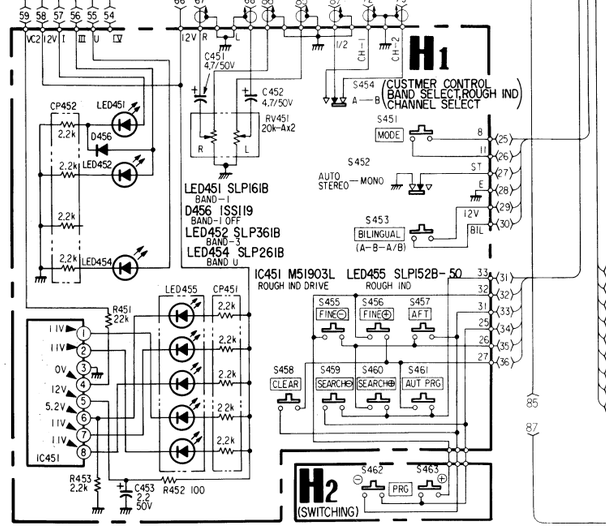
- All capacitors are in μF unless otherwise noted. pF; μμF 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/8 W unless otherwise noted. k: 1000 Ω, M: 1000 kΩ
- : nonflammable resistor.
- △ : internal component.
- ▭ : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in V.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a 20,000-ohm-per-volt VOM.
- Voltages are taken with set selected to CH-3 (VHF LOW) position.
- ▭ : adjustment for repair.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.

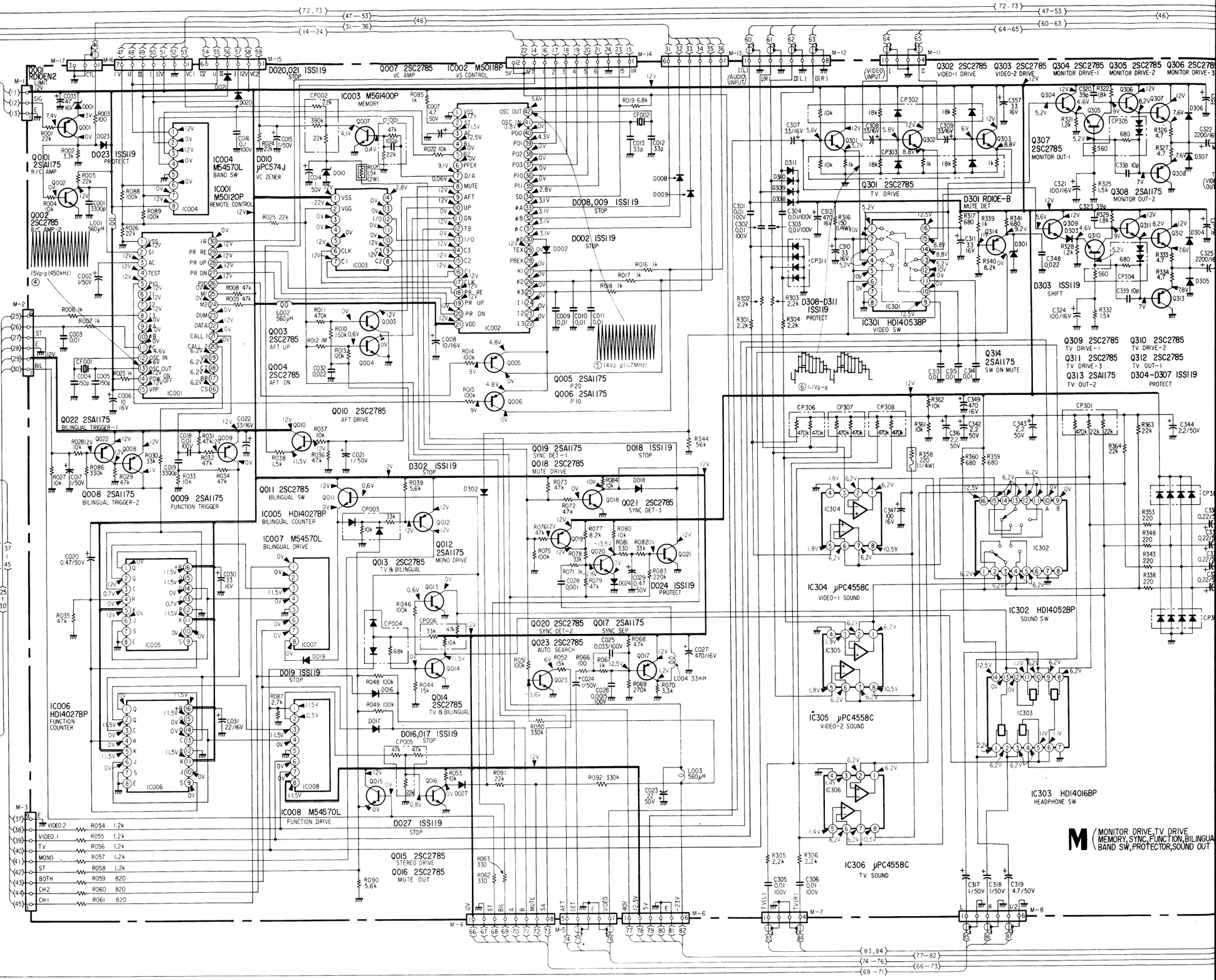
3-2. SCHEMATIC DIAGRAM

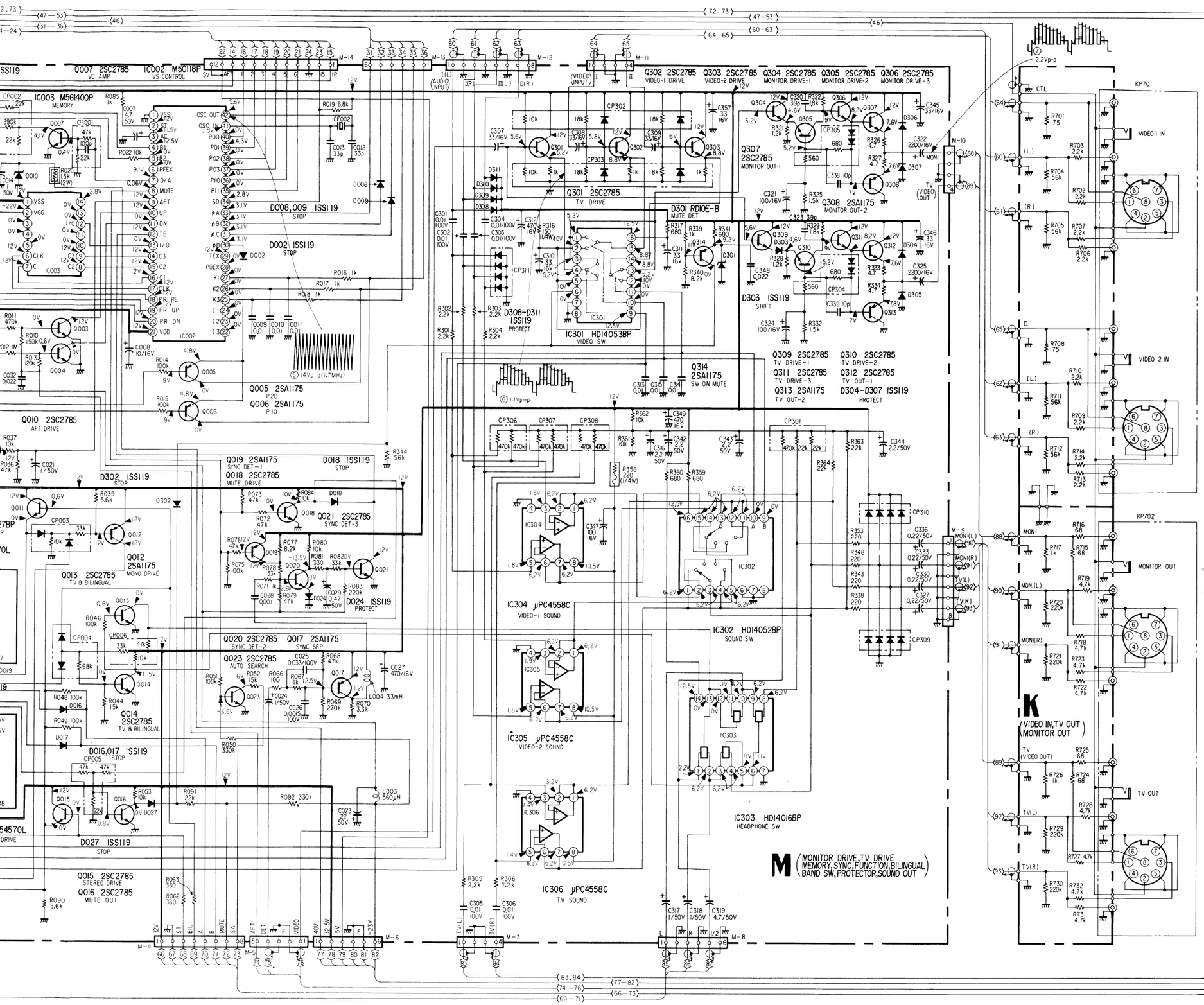


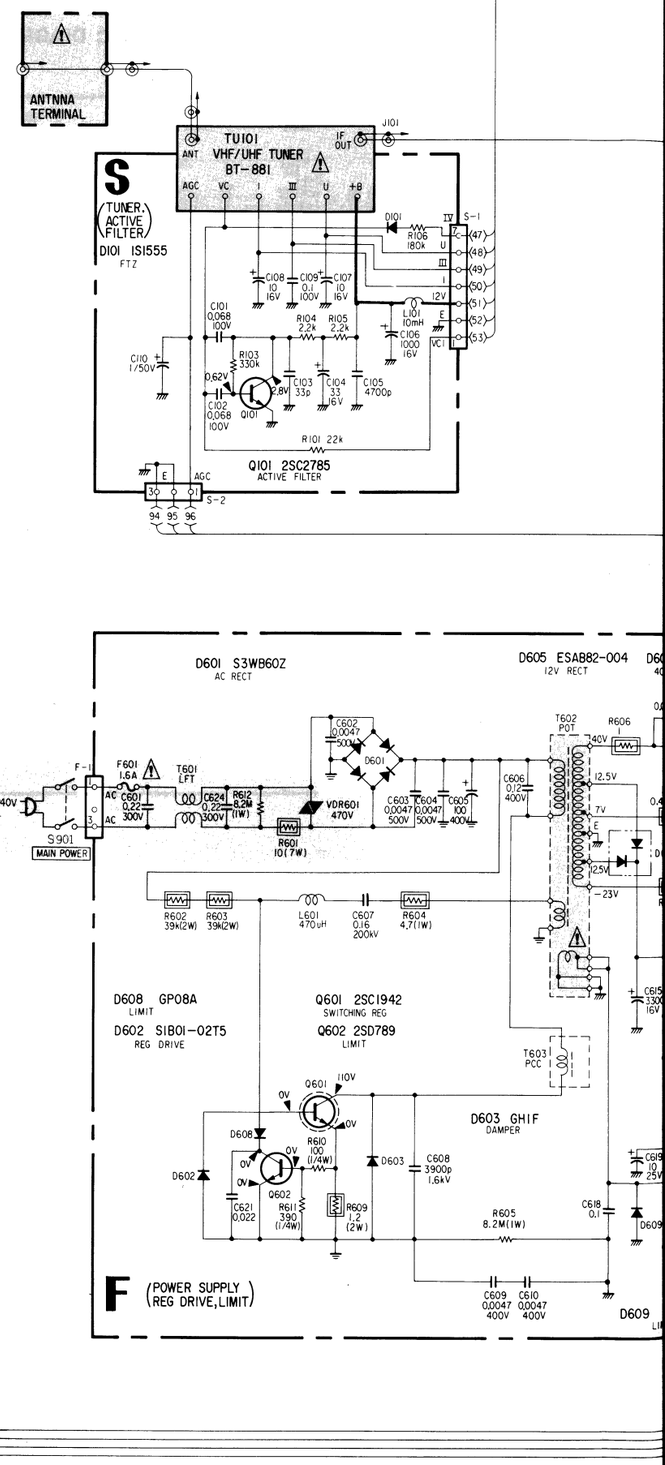









IC003 M5GI400P MEMORY
Q007 2SC2785 VC AMP
IC002 M50118P VS CONTROL
Q010 2SC2785 AFT DRIVE
Q005 2SA1175 P20
Q006 2SA1175 P10
Q012 2SA1175 MONO DRIVE
Q013 2SC2785 TV & BILINGUAL
Q014 2SC2785 TV & BILINGUAL
Q015 2SC2785 STEREO DRIVE
Q016 2SC2785 MUTE OUT
Q018 2SC2785 SYNC DET-3
Q019 2SA1175 SYNC DET-1
Q020 2SC2785 SYNC DET-2
Q017 2SA1175 SYNC SEP
Q023 2SC2785 AUTO SEARCH
Q021 2SC2785 SYNC DET-3
Q018 2SC2785 MUTE DRIVE
Q302 2SC2785 VIDEO-1 DRIVE
Q303 2SC2785 VIDEO-2 DRIVE
Q304 2SC2785 MONITOR DRIVE-1
Q305 2SC2785 MONITOR DRIVE-2
Q306 2SC2785 MONITOR DRIVE-3
Q307 2SC2785 MONITOR OUT-1
Q308 2SA1175 MONITOR OUT-2
Q301 2SC2785 TV DRIVE
D301 RD10E-B MUTE DET
D303 1SS119 SHIFT
D308-D311 1SS119 PROTECT
IC301 HD140538P VIDEO SW
Q309 2SC2785 TV DRIVE-1
Q310 2SC2785 TV DRIVE-2
Q311 2SC2785 TV DRIVE-3
Q312 2SC2785 TV OUT-1
Q313 2SA1175 TV OUT-2
Q314 2SA1175 SW ON MUTE
D304-D307 1SS119 PROTECT
IC304 μPC4558C VIDEO-1 SOUND
IC305 μPC4558C VIDEO-2 SOUND
IC306 μPC4558C TV SOUND
IC302 HD14052BP SOUND SW
IC303 HD14016BP HEADPHONE SW
D002 1SS119 STOP
D008,009 1SS119 STOP
D016,017 1SS119 STOP
D027 1SS119 STOP
D018 1SS119 STOP
D024 1SS119 PROTECT
D302 1SS119 STOP
KP701
KP702
VIDEO 1 IN
VIDEO 2 IN
MONITOR OUT
TV OUT
K (VIDEO IN,TV OUT MONITOR OUT)
M (MONITOR DRIVE,TV DRIVE MEMORY,SYNC,FUNCTION,BILINGUAL BAND SW,PROTECTOR,SOUND OUT)


ANTNNA TERMINAL
TU101 VHF/UHF TUNER BT-881
S (TUNER, ACTIVE FILTER) DI01 IS1555 FTZ
Q101 2SC2785 ACTIVE FILTER
D601 S3WB60Z AC RECT
D605 ESAB82-004 12V RECT
D608 GP08A LIMIT
D602 S1B01-02T5 REG DRIVE
Q601 2SC1942 SWITCHING REG
Q602 2SD789 LIMIT
D603 GH1F DAMPER
F (POWER SUPPLY REG DRIVE,LIMIT)

KP701

VIDEO 1 IN

VIDEO 2 IN

KP702

MONITOR OUT

TV OUT

ANTNNA TERMINAL

S (TUNER, ACTIVE FILTER)

TU101 VHF/UHF TUNER BT-881

AGC VC I III U +B — IF OUT J101

D101 1S1555 FTZ

Q101 2SC2785 ACTIVE FILTER

R101 22k

A (VIF AMP, VIF, V OUT, AFT, DET / SIF, AF AMP, S BUFFER, ID / STEREO MATRIX, ID AMP)

Q201 2SC1128 VIF AMP

IC201 TA7607AP VIF

Q202 2SC1128 SOUND VIF AMP

SF201 SAWF

SF202 SAWF 38,9MHz

IC208 μPC4558C AF AMP

IC206 HDI4052BP SW

Q212 2SC2785 LEFT BUFFER

Q213 2SC2785 RIGHT BUFFER

Q214 2SC2785 ACH BUFFER

Q215 2SC2785 BCH BUFFER

Q208 2SA1175 1ST VIDEO

Q209 2SC2785 2ND VIDEO

Q210 2SA1175 3RD VIDEO

Q211 2SA1175 4TH VIDEO

IC202 TDA2840 SOUND VIF

Q203 2SC2785 1ST SOUND BUFFER

Q204 2SC2785 2ND SOUND BUFFER

IC203 μPC1391H 1ST SIF

IC204 μPC1391H 2ND SIF

Q216 2SC2785 A CH MUTE

Q217 2SC2785 B CH MUTE

IC205 μPC4558C STEREO MATRIX

IC207 TDA2795 ID

Q205 2SC2785 ID AMP

SPANNUNGS VERSORGUNG

LOGIK AUSBEREITLUNG

F (POWER SUPPLY (REG DRIVE, LIMIT))

D601 S3WB60Z AC RECT

D605 ESAB82-004 12V RECT

D604 VI9B 40V RECT

IC601 μPC78M05H 5V REG

D606 VI9B 5V RECT

D607 VI9B -23V RECT

D608 GP08A LIMIT

D602 S1B01-02T5 REG DRIVE

Q601 2SC1942 SWITCHING REG

Q602 2SD789 LIMIT

D603 GH1F DAMPER

IC602 DMI4 POWER MODULE

D609 S1B01-02 LIMIT

S901 MAIN POWER

220V–240V AC

F601 1.6A

T601 LFT

VDR601 470V

R601 10(7W)

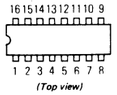
T602 POT

T603 PCC

① 2.3Vp-p ② 2.3Vp-p ③ 0.88Vp-p

{77 — 82} {83 · 84} {74 — 76} {66 — 73}

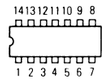
HD14027BP
HD14052BP
HD14053BP
TA7607AP
TC4027BP



(Top view)

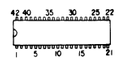
M51903L

LA4175
M5G1400P
TC4016BP



(Top view)

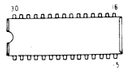
M50118P



(Top view)

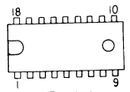
M54570L

M50120P
M54847P



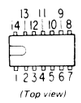
(Top view)

TDA2795



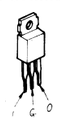
(Top view)

TDA2840

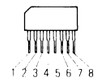


(Top view)

μPC78M05H



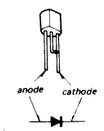
μPC1373H
μPC1391H



μPC4558C

(Top view)

μPC574J



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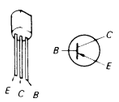

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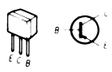
2SA1175F



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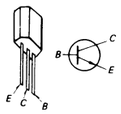
2SC634SP



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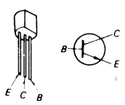
2SC1475
2SD788



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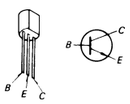
2SC2009



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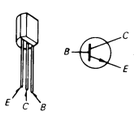
2SC1364



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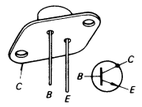

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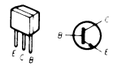

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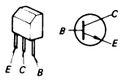

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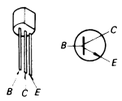

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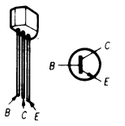

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1N4148H
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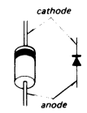
GP08A
US1035



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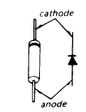
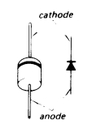
1SS148
1SS1555
1SS2076
1SS2473
RD10E-B
RD10E-N2

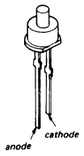


1SS119

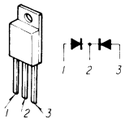


GH1F
GH3F
U05G
V19B
V19E

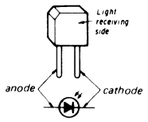
GL2AR1



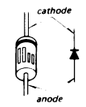
ESAB82-004



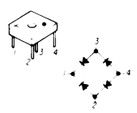
PH302B



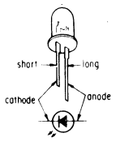
SIB01-02
SIB01-02TS



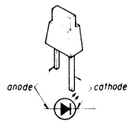
S3WB60Z
S3WB60ZS



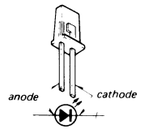
SE303AX



SLP161B
SLP261B
SLP361B



SR632D
SY432D



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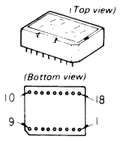
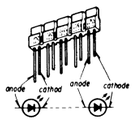
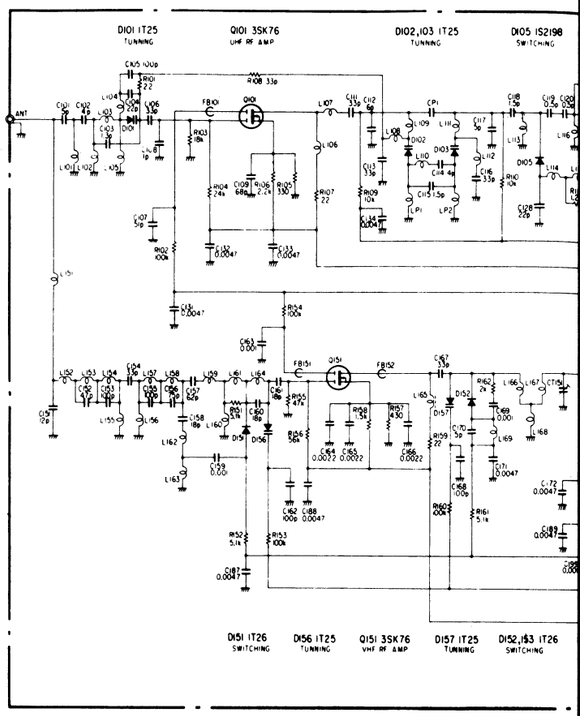


SLIP152B-50

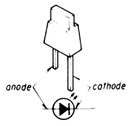


3-3. VHF/UHF TUNER SCHEMATIC DIAGRAM

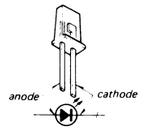
- **BT-881**



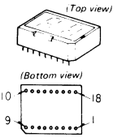
SLP161B
SLP261B
SLP361B



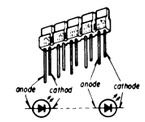
SR632D
SY432D



TLR324

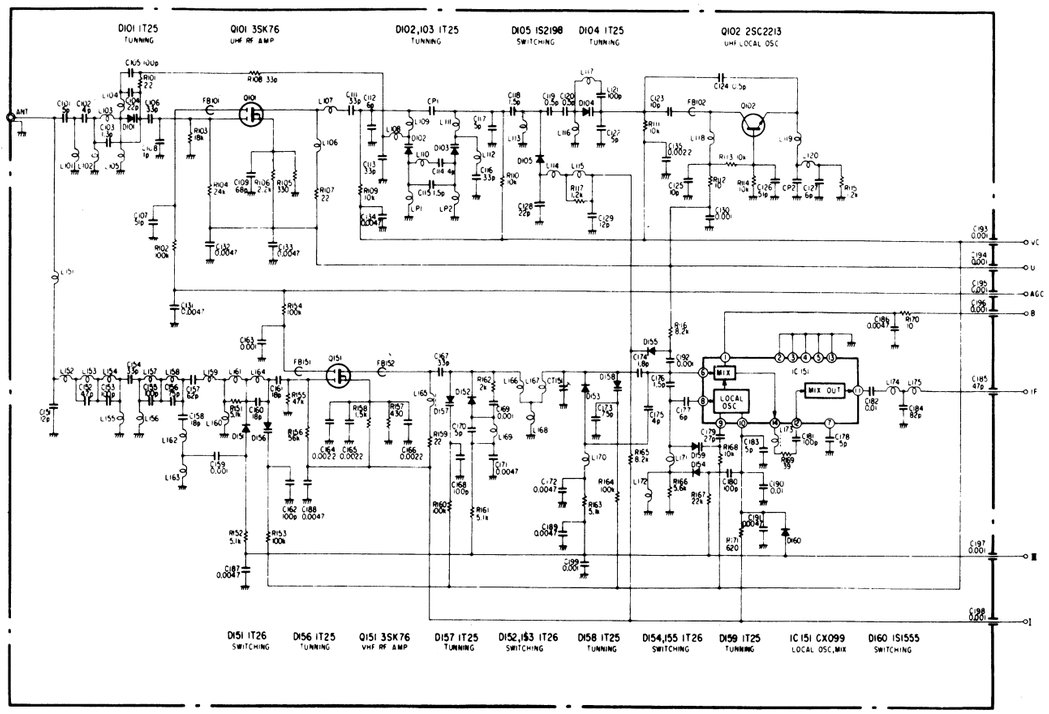


SLIP152B-50



3-3. VHF/UHF TUNER SCHEMATIC DIAGRAM

- **BT-881**

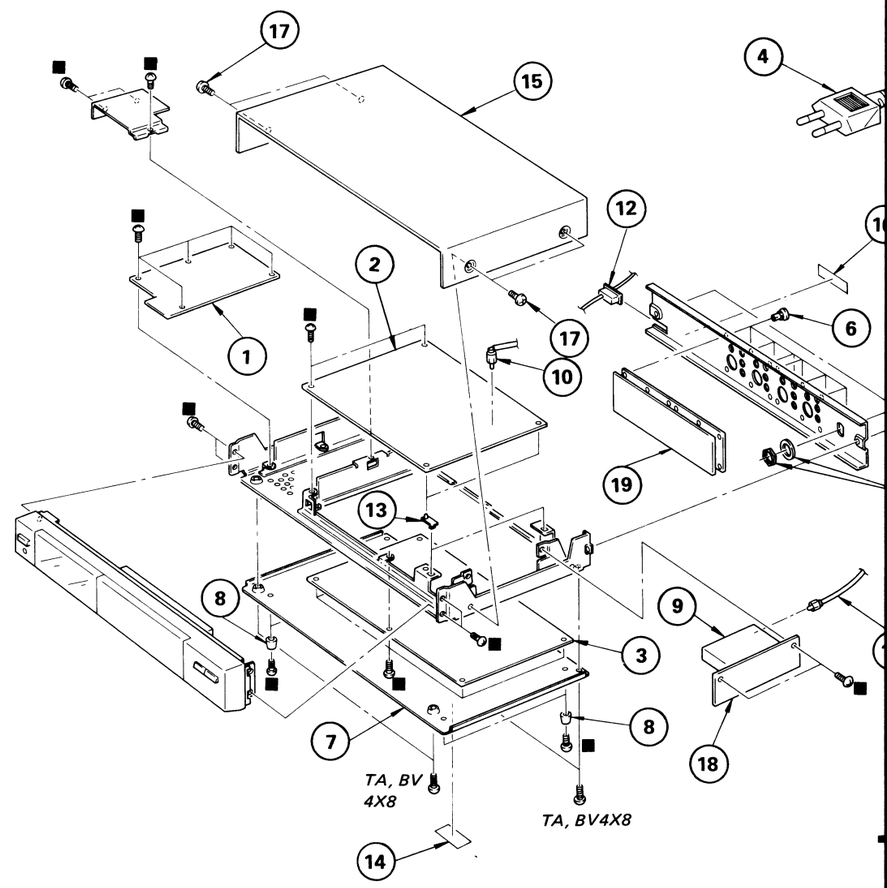


Note: Tuner reference numbers are not included in the Electrical Parts List.

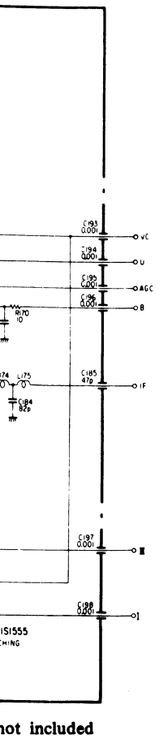
SECTION 4
EXPLODED VIEWS

(1) CASE

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- As to the part numbered with E-, refer to the electrical parts list.
- Items marked "●" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



No.	Part No	Description	Remark
1	●:A-1245-153-A	F BOARD, COMPLETE	
2	●:A-1295-574-A	A BOARD, COMPLETE	
3	●:A-1306-176-A	M BOARD, COMPLETE	
4	⚠:1-551-427-11	CORD, POWER, EULO PLUG	
5	⚠:1-561-825-00	SOCKET, ANTENNA INPUT	
6	4-812-134-11	RIVET NYLON, 3.5	
7	X-4357-802-2	LID ASSY, BOTTOM	8
8	X-3556-910-0	FOOT ASSY, MF	
9	⚠:1-463-350-00	TUNER (BT-881)	
10	●:1-555-400-00	CABLE, PIN	
11	⚠:1-556-140-00	CABLE, ANTENNA	
12	⚠:2-245-510-00	CLAMPER, CABLE	
13	●:3-701-832-00	HINGE, CIRCUIT BOARD	
14	●:3-703-234-01	LABEL CAUTION	
15	●:4-354-830-11	CASE	
16	●:4-357-827-00	LABEL, MODEL NUMBER	
17	4-847-802-11	SCREW, CASE STOPPER	
18	●:1-607-157-00	S BOARD	
19	●:1-607-156-00	K BOARD	



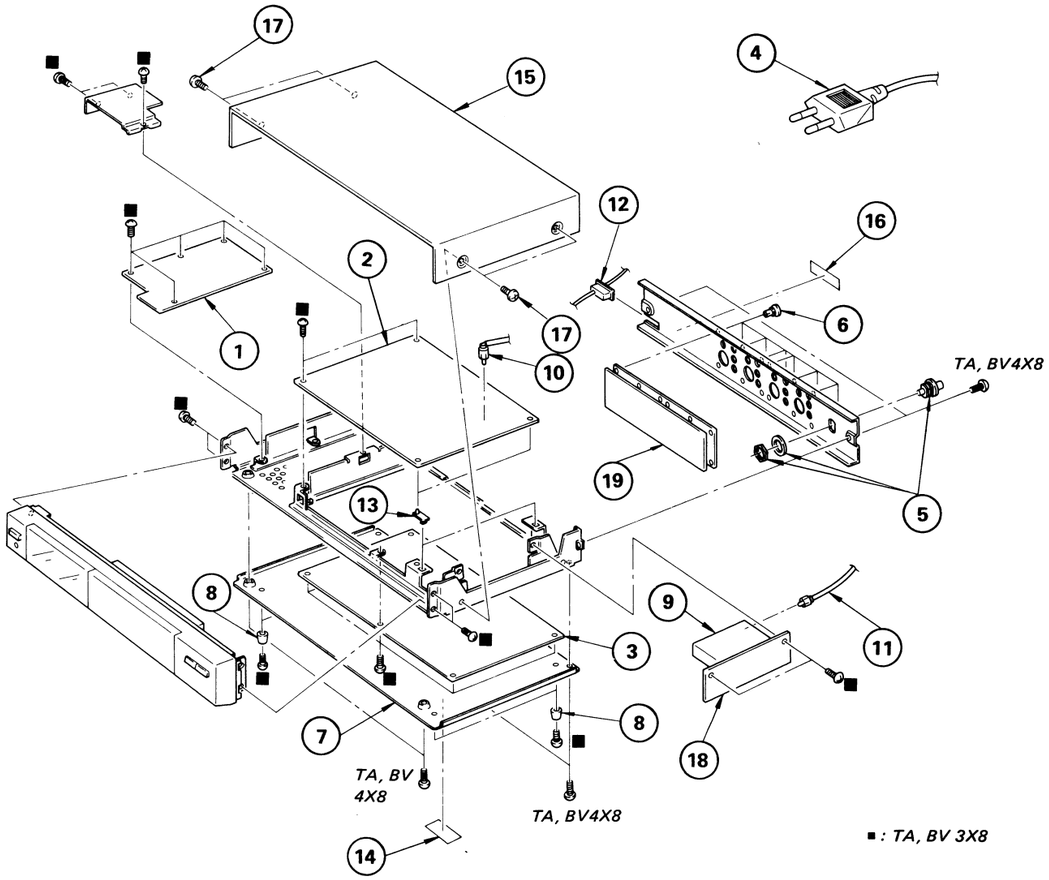
not included

SECTION 4
EXPLODED VIEWS

(1) CASE

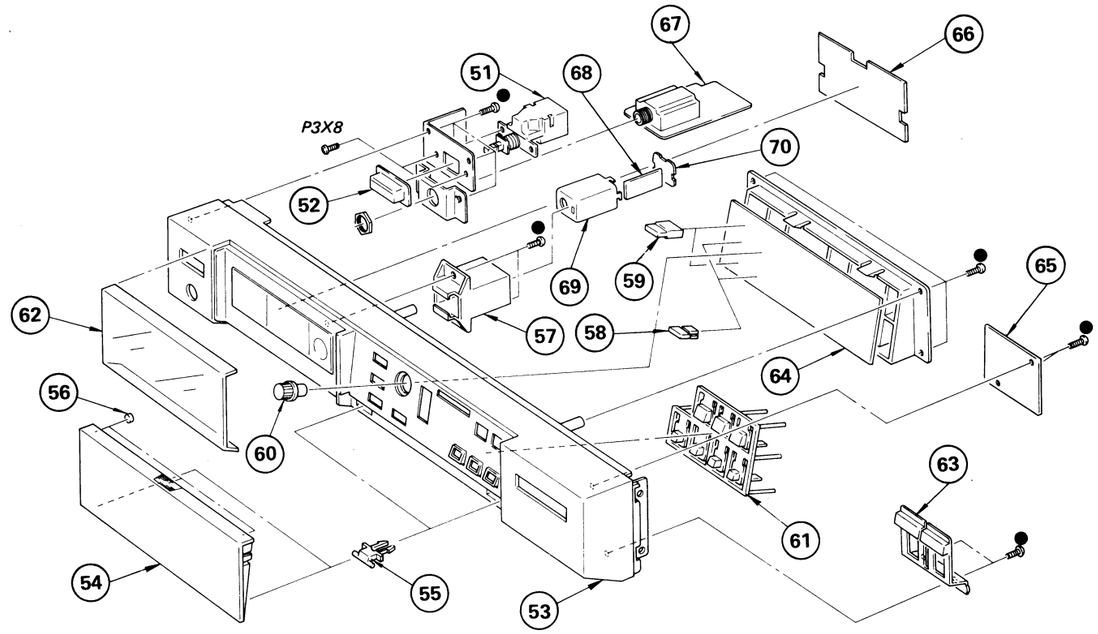
NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- As to the part numbered with E-, refer to the electrical parts list.
- Items marked " ● " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.



No.	Part No	Description	Remark
1	●:A-1245-153-A	F BOARD, COMPLETE	
2	●:A-1295-574-A	A BOARD, COMPLETE	
3	●:A-1306-176-A	M BOARD, COMPLETE	
4	⚠1-551-427-11	CORD, POWER, EULO PLUG	
5	⚠1-561-825-00	SOCKET, ANTENNA INPUT	
6	4-812-134-11	RIVET NYLON, 3.5	
7	X-4357-802-2	LID ASSY, BOTTOM	8
8	X-3556-910-0	FOOT ASSY, MF	
9	⚠1-463-350-00	TUNER (BT-881)	
10	●:1-555-400-00	CABLE, PIN	
11	⚠1-556-140-00	CABLE, ANTENNA	
12	⚠2-245-510-00	CLAMPER, CABLE	
13	●:3-701-832-00	HINGE, CIRCUIT BOARD	
14	●:3-703-234-01	LABEL CAUTION	
15	●:4-354-830-11	CASE	
16	●:4-357-827-00	LABEL, MODEL NUMBER	
17	4-847-802-11	SCREW, CASE STOPPER	
18	●:1-607-157-00	S BOARD	
19	●:1-607-156-00	K BOARD	

(2) FRONT PANEL



No.	Part No	Description	Remark
51	⚠1-553-330-21	SWITCH, PUSH (POWER)	
52	4-357-806-00	BUTTON, POWER	
53	X-4357-804-0	PANEL ASSY, FRONT	54
54	X-4357-801-0	DOOR ASSY	55,56
55	3-703-035-11	SHAFT, LID	
56	4-314-871-00	CUSHION	
57	●:4-357-119-00	BRACKET, CATCHER, RAY	
58	4-357-803-00	PUSH BUTTON	
59	4-357-804-00	BUTTON, ANTENNA	
60	4-357-814-00	KNOB, CONTROL	
61	4-357-815-00	BUTTON, FUNCTION	
62	4-357-816-00	COVER, TRANSPARENT	
63	4-357-819-00	BUTTON, PROGRAM	
64	●:1-607-158-00	H1 BOARD	
65	●:1-607-159-00	H2 BOARD	
66	●:1-607-160-00	HL BOARD	
67	●:1-607-161-00	Z BOARD	
68	●:1-606-794-00	N BOARD	
69	●:4-342-117-00	CASE, SHIELD (MAIN), R	
70	●:4-342-118-00	LID, SHIELD CASE, R	

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

- Items marked "♦" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

COILS
- MMH : mH, UH : μH

- =>: Due to standardization, interchangeable replacements may be substituted for parts specified in the diagrams.

When indicating parts by reference number, please include the board name.

Ref.No	Part No	Description			Remark
♦	A-1245-153-A	F BOARD, COMPLETE **********			
♦	1-555-837-00	CONNECTOR ASSY (2.5MM) 6P			
	3-701-353-00	SPACER, MICA			
	3-701-609-00	BUSHING (B), TR			
♦	4-323-833-00	HEAT SINK, PIN OUT			
♦	4-357-809-00	RETAINER, TR			
		CAPACITOR			
C601 ⚠	1-108-745-00	MYLAR	0.22MF	20%	300V
C602	1-102-085-00	CERAMIC	0.0047MF		500V
C603	1-102-085-00	CERAMIC	0.0047MF		500V
C604	1-102-085-00	CERAMIC	0.0047MF		500V
C605	1-125-291-00	ELECT(BLOCK)	100MF	20%	400V
C606	1-130-907-00	FILM	0.12MF	5%	400V
C607	1-130-909-00	FILM	0.16MF	3%	200KV
C608	1-130-908-00	FILM	0.0039MF	3%	1.6KV
C609	1-161-743-00	CERAMIC	0.0047MF		400V
C610	1-161-743-00	CERAMIC	0.0047MF		400V
C611	1-123-361-00	ELECT	220MF	20%	50V
C612	1-123-310-00	ELECT	470MF	20%	10V
C613	1-123-310-00	ELECT	470MF	20%	10V
C614	1-123-336-00	ELECT	470MF	20%	25V
C615	1-123-326-00	ELECT	3300MF	20%	16V
C616	1-123-324-00	ELECT	1000MF	20%	16V
C617	1-108-567-00	MYLAR	0.0033MF	5%	50V
C618	1-108-849-00	MYLAR	0.1MF	10%	50V
C619	1-123-356-00	ELECT	10MF	20%	25V
C621	1-108-587-00	MYLAR	0.022MF	5%	50V
C623	1-108-373-00	MYLAR	0.0047MF	10%	100V
C624 ⚠	1-108-745-00	MYLAR	0.22MF	20%	300V
		DIODE			
D601	8-719-503-06	DIODE S3WB60Z			
D602	8-719-901-40	DIODE SIB01-02T5			
D603	8-719-301-14	DIODE GH-1F			
D604	8-719-901-93	DIODE V19B			
D605	8-719-902-28	DIODE ESAB82-004			
D606	8-719-901-93	DIODE V19B			
D607	8-719-901-93	DIODE V19B			
D608	8-719-908-01	DIODE GP08A			
D609	8-719-901-02	DIODE SIB01-02			
		CONNECTOR			
F1	1-506-348-XX	3P PLUG (L)			
		FUSE			
F601 ⚠	1-532-454-XX	FUSE, GLASS TUBE			
		IC			
IC601	8-759-170-05	IC UPC78M05H			
IC602 ⚠	1-235-122-00	POWER MODULE			

Ref.No	Part No	Description				Remark
		COIL				
L601	1-459-395-00	COIL (WITH CORE)				
L604	1-459-155-00	COIL				
		TRANSISTOR				
Q601	8-729-300-28	TRANSISTOR 2SC1942-16L				
Q602	8-729-177-43	TRANSISTOR 2SD774				
		RESISTOR				
R601 ⚠	1-217-333-00	WIREWOUND	10	10%	7W	F
R602	1-214-596-00	METAL	39K	5%	2W	F
R603	1-214-596-00	METAL	39K	5%	2W	F
R604	1-212-368-00	METAL	4.7	5%	1W	F
R605	1-247-289-00	CARBON	8.2M	10%	1W	
R606	1-247-020-00	CARBON	1	5%	1/8W	F
R607	1-217-418-00	FUSIBLE	0.47	10%	1/2W	F
R608	1-247-020-00	CARBON	1	5%	1/8W	F
R609	1-206-441-00	METAL	1.2	5%	2W	F
R610	1-246-449-00	CARBON	100	5%	1/4W	
R611	1-246-463-00	CARBON	390	5%	1/4W	
R612 ⚠	1-247-289-00	CARBON	8.2M	10%	1W	
		TRANSFORMER				
T601 ⚠	1-421-352-00	TRANSFORMER, FERRITE				
T602 ⚠	1-421-528-00	TRANSFORMER, FERRITE (POT)				
T603	1-421-527-00	COIL, FERRITE-CHOKE (PCC)				
		VARISTOR				
VDR601 ⚠	1-806-446-00	VARISTOR				
**********						
♦	A-1295-574-A	A BOARD, COMPLETE **********				
	1-536-354-00	POST PIN				
	1-536-354-00	POST PIN				
	1-536-354-00	POST PIN				
♦	4-314-969-00	CASE (A) MAIN, SHIELD				
♦	4-336-029-00	PLATE, SHIELD				
♦	4-336-030-00	CASE (MAIN), SHIELD, VIF				
♦	4-356-303-00	CASE (UPPER), SHIELD, SIF				
♦	4-356-306-00	CASE (LOWER), SHIELD, SIF				
♦	4-356-316-00	CASE (UPPER), SHIELD, VIF				
♦	4-356-327-00	CASE (LOWER), SHIELD, VIF				
		CONNECTOR				
A1 ♦	1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P				
A2 ♦	1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P				
A3 ♦	1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P				
A4 ♦	1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P				
A5 ♦	1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)				

A

Ref.No	Part No	Description			Remark
		CAPACITOR			
C201	1-102-529-00	CERAMIC	100PF	5%	50V
C202	1-102-527-00	CERAMIC	82PF	5%	50V
C203	1-161-258-00	CERAMIC	8.2PF	10%	50V
C204	1-102-523-00	CERAMIC	56PF	5%	50V
C205	1-102-529-00	CERAMIC	100PF	5%	50V
C206	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C207	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C208	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C209	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C210	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C211	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C212	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C213	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C214	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C215	1-161-254-00	CERAMIC	3.9PF	10%	50V
C216	1-161-285-00	CERAMIC	33PF	5%	50V
C217	1-102-529-00	CERAMIC	100PF	5%	50V
C218	1-102-527-00	CERAMIC	82PF	5%	50V
C219	1-161-285-00	CERAMIC	33PF	5%	50V
C220	1-161-254-00	CERAMIC	3.9PF	10%	50V
C221	1-123-379-00	ELECT	0.47MF	20%	50V
C222	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C223	1-123-318-00	ELECT	33MF	20%	16V
C224	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C225	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C226	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C227	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C228	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C229	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C230	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C231	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C232	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C233	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C234	1-123-356-00	ELECT	10MF	20%	16V
C235	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C236	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C237	1-161-259-00	CERAMIC	10PF	5%	50V
C238	1-161-259-00	CERAMIC	10PF	5%	50V
C239	1-161-330-51	CERAMIC	0.01MF	30%	25V
C240	1-123-333-00	ELECT	100MF	20%	16V
C241	1-161-330-51	CERAMIC	0.01MF	30%	25V
C242	1-123-333-00	ELECT	100MF	20%	16V
C243	1-161-330-51	CERAMIC	0.01MF	30%	25V
C244	1-161-330-51	CERAMIC	0.01MF	30%	25V
C245	1-161-330-51	CERAMIC	0.01MF	30%	25V
C246	1-161-326-00	CERAMIC	0.0022MF	30%	50V
C247	1-161-330-51	CERAMIC	0.01MF	30%	25V
C248	1-161-330-51	CERAMIC	0.01MF	30%	25V
C249	1-161-326-00	CERAMIC	0.0022MF	30%	50V
C250	1-161-263-00	CERAMIC	22PF	5%	50V
C251	1-161-263-00	CERAMIC	22PF	5%	50V

Ref.No	Part No	Description			Remark
C252	1-123-380-00	ELECT	1MF	20%	50V
C253	1-123-380-00	ELECT	1MF	20%	50V
C254	1-123-318-00	ELECT	33MF	20%	16V
C255	1-123-380-00	ELECT	1MF	20%	50V
C258	1-123-330-00	ELECT	22MF	20%	16V
C259	1-108-381-00	MYLAR	0.022MF	10%	100V
C260	1-130-723-00	FILM	0.1MF	2%	50V
C261	1-130-723-00	FILM	0.1MF	2%	50V
C262	1-108-389-00	MYLAR	0.1MF	10%	100V
C264	1-103-733-00	POLYSTYRENE	0.0022MF	5%	50V
C265	1-123-380-00	ELECT	1MF	20%	50V
C266	1-123-328-00	ELECT	4.7MF	20%	25V
C267	1-130-722-00	FILM	0.047MF	2%	50V
C268	1-130-722-00	FILM	0.047MF	2%	50V
C269	1-108-381-00	MYLAR	0.022MF	10%	100V
C270	1-108-377-00	MYLAR	0.01MF	10%	100V
C271	1-108-377-00	MYLAR	0.01MF	10%	100V
C272	1-108-377-00	MYLAR	0.01MF	10%	100V
C273	1-108-377-00	MYLAR	0.01MF	10%	100V
C274	1-161-315-00	CERAMIC	220PF	10%	50V
C275	1-123-333-00	ELECT	100MF	20%	16V
C278	1-123-318-00	ELECT	33MF	20%	16V
C279	1-123-333-00	ELECT	100MF	20%	16V
C280	1-123-318-00	ELECT	33MF	20%	16V
C281	1-123-381-00	ELECT	2.2MF	20%	50V
C282	1-123-381-00	ELECT	2.2MF	20%	50V
C284	1-108-377-00	MYLAR	0.01MF	10%	100V
C285	1-108-377-00	MYLAR	0.01MF	10%	100V
C286	1-123-324-00	ELECT	1000MF	20%	16V
C287	1-161-328-51	CERAMIC	0.0047MF	30%	50V
		FILTER			
CD201	1-404-380-00	DISCRIMINATOR, CERAMIC 5.5MHZ			
CD202	1-404-379-00	DISCRIMINATOR, CERAMIC 5.74MHZ			
CF202	1-404-134-00	TRAP, CERAMIC (5.5MHZ)			
CF203	1-527-840-00	FILTER, CERAMIC			
CF204	1-527-839-00	FILTER, CERAMIC			
CF205	1-527-930-00	FILTER, CERAMIC			
		COMPOSITION CIRCUIT BLOCK			
CP201	1-232-249-00	COMPOSITION CIRCUIT BLOCK			
CP202	1-232-249-00	COMPOSITION CIRCUIT BLOCK			
		IC			
IC201	8-759-276-07	IC TA7607AP			
IC202	8-759-028-40	IC TDA2840			
IC203	8-759-193-91	IC UPC1391H			
IC204	8-759-193-91	IC UPC1391H			
IC205	8-759-145-58	IC UPC4558C			
IC206	8-759-340-52	IC HD14052BP			
IC208	8-759-145-58	IC UPC4558C			

A AM

Ref.No	Part No	Description	Remark
		JACK	
J201	1-526-575-00	SOCKET, PLUG	
		COIL	
L201	1-407-178-XX	MICRO INDUCTOR 1UH	
L203	1-407-690-00	MICRO INDUCTOR 5.6UH	
L204	1-407-690-00	MICRO INDUCTOR 5.6UH	
L205	1-408-678-00	MICRO INDUCTOR 3.9MMH	
L206	1-407-703-00	MICRO INDUCTOR 68UH	
L208	1-407-691-00	MICRO INDUCTOR 6.8UH	
L209	1-407-689-00	MICRO INDUCTOR 4.7UH	
L210	1-407-690-00	MICRO INDUCTOR 5.6UH	
L211	1-407-690-00	MICRO INDUCTOR 5.6UH	
L212	1-407-697-00	MICRO INDUCTOR 22UH	
L213	1-407-697-00	MICRO INDUCTOR 22UH	
L214	1-459-105-21	COIL(WITH CORE)	
		TRANSISTOR	
Q201	8-765-300-00	TRANSISTOR 2SC2009	
Q202	8-765-300-00	TRANSISTOR 2SC2009	
Q203	8-729-178-54	TRANSISTOR 2SC2785	
Q204	8-729-178-54	TRANSISTOR 2SC2785	
Q205	8-729-178-54	TRANSISTOR 2SC2785	
Q208	8-729-117-54	TRANSISTOR 2SA1175	
Q209	8-729-178-54	TRANSISTOR 2SC2785	
Q210	8-729-117-54	TRANSISTOR 2SA1175	
Q211	8-729-117-54	TRANSISTOR 2SA1175	
Q212	8-729-178-54	TRANSISTOR 2SC2785	
Q213	8-729-178-54	TRANSISTOR 2SC2785	
Q214	8-729-178-54	TRANSISTOR 2SC2785	
Q215	8-729-178-54	TRANSISTOR 2SC2785	
Q216	8-729-178-54	TRANSISTOR 2SC2785	
Q217	8-729-178-54	TRANSISTOR 2SC2785	
		RESISTOR	
R201	1-246-791-00	CARBON 4.7K 1/8W	
R202	1-246-790-00	CARBON 3.9K 1/8W	
R203	1-246-457-00	CARBON 220 5% 1/4W	
R204	1-246-775-00	CARBON 220 1/8W	
R205	1-246-786-00	CARBON 1.8K 1/8W	
R206	1-247-052-00	CARBON 820K 1/8W	
R207	1-246-783-00	CARBON 1K 1/8W	
R208	1-246-788-00	CARBON 2.7K 1/8W	
R209	1-246-785-00	CARBON 1.5K 1/8W	
R210	1-246-801-00	CARBON 33K 1/8W	
R211	1-246-806-00	CARBON 82K 1/8W	
R212	1-246-771-00	CARBON 100 1/8W	
R213	1-246-791-00	CARBON 4.7K 1/8W	
R214	1-246-790-00	CARBON 3.9K 1/8W	
R215	1-246-457-00	CARBON 220 5% 1/4W	
R216	1-246-784-00	CARBON 1.2K 1/8W	
R218	1-246-777-00	CARBON 330 1/8W	
R219	1-246-777-00	CARBON 330 1/8W	
R220	1-246-783-00	CARBON 1K 1/8W	
R221	1-246-783-00	CARBON 1K 1/8W	
R222	1-246-776-00	CARBON 270 1/8W	
R223	1-246-776-00	CARBON 270 1/8W	
R224	1-246-778-00	CARBON 390 1/8W	
R225	1-246-778-00	CARBON 390 1/8W	
R226	1-246-785-00	CARBON 1.5K 1/8W	
R227	1-246-783-00	CARBON 1K 1/8W	
R228	1-246-783-00	CARBON 1K 1/8W	
R229	1-246-789-00	CARBON 3.3K 1/8W	
R232	1-246-789-00	CARBON 3.3K 1/8W	
R233	1-214-777-00	METAL 100K 1% 1/4W	
R234	1-214-777-00	METAL 100K 1% 1/4W	
R235	1-246-473-00	CARBON 1K 5% 1/4W	
R240	1-246-783-00	CARBON 1K 1/8W	
R241	1-246-783-00	CARBON 1K 1/8W	
R242	1-246-791-00	CARBON 4.7K 1/8W	
R243	1-246-804-00	CARBON 56K 1/8W	
R244	1-246-792-00	CARBON 5.6K 1/8W	
R245	1-246-779-00	CARBON 470 1/8W	
R246	1-246-793-00	CARBON 6.8K 1/8W	
R247	1-214-958-00	METAL 560K 1% 1/4W	
R248	1-214-717-00	METAL 330 1% 1/4W	
R249	1-246-805-00	CARBON 68K 1/8W	
R250	1-246-796-00	CARBON 12K 1/8W	
R251	1-246-807-00	CARBON 100K 1/8W	
R252	1-246-805-00	CARBON 68K 1/8W	
R253	1-246-789-00	CARBON 3.3K 1/8W	
R254	1-214-716-00	METAL 300 1% 1/4W	
R255	1-246-865-00	CARBON 62K 1/8W	
R256	1-214-957-00	METAL 510K 1% 1/4W	
R257	1-246-811-00	CARBON 220K 1/8W	
R258	1-246-791-00	CARBON 4.7K 1/8W	
R259	1-246-791-00	CARBON 4.7K 1/8W	
R262	1-246-791-00	CARBON 4.7K 1/8W	
R263	1-246-791-00	CARBON 4.7K 1/8W	
R264	1-246-791-00	CARBON 4.7K 1/8W	
R265	1-246-791-00	CARBON 4.7K 1/8W	
R266	1-246-759-00	CARBON 10 1/8W	
R267	1-246-759-00	CARBON 10 1/8W	
R268	1-246-759-00	CARBON 10 1/8W	
R269	1-246-759-00	CARBON 10 1/8W	
R270	1-246-789-00	CARBON 3.3K 1/8W	
R271	1-246-789-00	CARBON 3.3K 1/8W	
R272	1-246-788-00	CARBON 2.7K 1/8W	
R273	1-246-788-00	CARBON 2.7K 1/8W	
R274	1-246-783-00	CARBON 1K 1/8W	
R275	1-246-774-00	CARBON 180 1/8W	
R276	1-246-771-00	CARBON 100 1/8W	
R277	1-246-463-00	CARBON 390 5% 1/4W	
R278	1-246-785-00	CARBON 1.5K 1/8W	
R279	1-246-776-00	CARBON 270 1/8W	
R280	1-246-783-00	CARBON 1K 1/8W	
R281	1-246-779-00	CARBON 470 1/8W	
R282	1-246-776-00	CARBON 270 1/8W	
R283	1-246-785-00	CARBON 1.5K 1/8W	
R284	1-246-783-00	CARBON 1K 1/8W	
R285	1-246-779-00	CARBON 470 1/8W	
R286	1-246-475-00	CARBON 1.2K 5% 1/4W	
R288	1-246-807-00	CARBON 100K 1/8W	
R289	1-246-806-00	CARBON 82K 1/8W	
R290	1-246-807-00	CARBON 100K 1/8W	
R291	1-246-806-00	CARBON 82K 1/8W	
R293	1-246-794-00	CARBON 8.2K 1/8W	
R294	1-246-803-00	CARBON 47K 1/8W	
R295	1-246-794-00	CARBON 8.2K 1/8W	
R296	1-246-803-00	CARBON 47K 1/8W	
R297	1-246-795-00	CARBON 10K 1/8W	
R298	1-246-795-00	CARBON 10K 1/8W	
R299	1-246-803-00	CARBON 47K 1/8W	
		VARIABLE RESISTOR	
RV201	1-226-850-00	RES, ADJ, CARBON 4.7K	
RV202	1-226-849-00	RES, ADJ, CARBON 3.3K	
RV203	1-226-853-00	RES, ADJ, CARBON 47K	
		FILTER	
SF201	1-404-382-00	SAWF	
SF202	1-404-332-00	SAWF (38.9MHZ)	
		TRANSFORMER	
T201	1-404-068-00	COIL, VIF	
T202	1-404-068-00	COIL, VIF	
T203	1-404-207-00	COIL, VIF	
T204	1-404-203-00	COIL, VIF	
T205	1-404-203-00	COIL, VIF	
T206	1-404-207-00	COIL, VIF	
T207	1-404-378-00	I.F.T	
T208	1-404-381-00	COIL, VIF	

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♦	A-1306-176-A	M BOARD, COMPLETE
		**********
	1-536-354-00	POST PIN
♦	4-356-323-00	CASE (UPPER), SHIELD, M
♦	4-357-817-00	CASE (MAIN), SHIELD, M
♦	4-357-818-00	CASE (LOWER), SHIELD, M

CAPACITOR

Ref.No	Part No	Description			
C001	1-161-327-00	CERAMIC	0.0033MF	30%	50V
C002	1-123-380-00	ELECT	1MF	20%	50V
C003	1-161-330-51	CERAMIC	0.01MF	30%	25V
C004	1-161-313-00	CERAMIC	150PF	10%	50V
C005	1-161-313-00	CERAMIC	150PF	10%	50V
C006	1-123-356-00	ELECT	10MF	20%	16V
C007	1-123-369-00	ELECT	4.7MF	20%	50V
C008	1-123-356-00	ELECT	10MF	20%	16V
C009	1-161-330-51	CERAMIC	0.01MF	30%	25V
C010	1-161-330-51	CERAMIC	0.01MF	30%	25V
C011	1-161-330-51	CERAMIC	0.01MF	30%	25V
C012	1-161-265-00	CERAMIC	33PF	5%	50V
C013	1-161-265-00	CERAMIC	33PF	5%	50V
C014	1-123-380-00	ELECT	1MF	20%	50V
C015	1-123-380-00	ELECT	1MF	20%	50V
C016	1-108-389-00	MYLAR	0.1MF	10%	100V
C017	1-123-380-00	ELECT	1MF	20%	50V
C018	1-108-377-00	MYLAR	0.01MF	10%	100V
C019	1-161-327-00	CERAMIC	0.0033MF	30%	50V
C020	1-123-379-00	ELECT	0.47MF	20%	50V
C021	1-123-380-00	ELECT	1MF	20%	50V
C022	1-123-318-00	ELECT	33MF	20%	16V
C023	1-123-357-00	ELECT	22MF	20%	50V
C024	1-123-380-00	ELECT	1MF	20%	50V
C025	1-108-383-00	MYLAR	0.033MF	10%	100V
C026	1-108-367-00	MYLAR	0.0015MF	10%	100V
C027	1-123-323-00	ELECT	470MF	20%	16V
C028	1-161-323-00	CERAMIC	0.001MF	10%	50V
C029	1-123-379-00	ELECT	0.47MF	20%	50V
C030	1-123-318-00	ELECT	33MF	20%	16V
C031	1-123-330-00	ELECT	22MF	20%	16V
C032	1-161-494-00	CERAMIC	0.022MF	30%	25V
C033	1-123-332-00	ELECT	47MF	20%	16V
C301	1-108-377-00	MYLAR	0.01MF	10%	100V
C302	1-108-377-00	MYLAR	0.01MF	10%	100V
C303	1-108-377-00	MYLAR	0.01MF	10%	100V
C304	1-108-377-00	MYLAR	0.01MF	10%	100V
C305	1-108-377-00	MYLAR	0.01MF	10%	100V
C306	1-108-377-00	MYLAR	0.01MF	10%	100V
C307	1-123-318-00	ELECT	33MF	20%	16V
C308	1-123-318-00	ELECT	33MF	20%	16V
C309	1-123-318-00	ELECT	33MF	20%	16V
C310	1-123-318-00	ELECT	33MF	20%	16V
C311	1-123-318-00	ELECT	33MF	20%	16V
C312	1-123-323-00	ELECT	470MF	20%	16V
C313	1-161-330-51	CERAMIC	0.01MF	30%	25V
C314	1-161-330-51	CERAMIC	0.01MF	30%	25V
C315	1-161-330-51	CERAMIC	0.01MF	30%	25V
C316	1-123-381-00	ELECT	2.2MF	20%	50V
C317	1-123-380-00	ELECT	1MF	20%	50V
C318	1-123-380-00	ELECT	1MF	20%	50V
C319	1-123-369-00	ELECT	4.7MF	20%	50V
C320	1-102-965-00	CERAMIC	39PF	5%	50V
C321	1-123-333-00	ELECT	100MF	20%	16V
C322	1-123-325-00	ELECT	2200MF	20%	16V
C323	1-102-965-00	CERAMIC	39PF	5%	50V
C324	1-123-333-00	ELECT	100MF	20%	16V
C325	1-123-325-00	ELECT	2200MF	20%	16V

M M

Ref.No	Part No	Description			Remark
C327	1-123-447-00	ELECT	0.22MF	20%	50V
C330	1-123-447-00	ELECT	0.22MF	20%	50V
C333	1-123-447-00	ELECT	0.22MF	20%	50V
C336	1-123-447-00	ELECT	0.22MF	20%	50V
C338	1-102-947-00	CERAMIC	10PF	5%	50V
C339	1-102-947-00	CERAMIC	10PF	5%	50V
C342	1-123-381-00	ELECT	2.2MF	20%	50V
C343	1-123-381-00	ELECT	2.2MF	20%	50V
C344	1-123-381-00	ELECT	2.2MF	20%	50V
C345	1-123-318-00	ELECT	33MF	20%	16V
C346	1-123-318-00	ELECT	33MF	20%	16V
C347	1-123-333-00	ELECT	100MF	20%	16V
C348	1-161-494-00	CERAMIC	0.022MF	30%	25V
C349	1-123-323-00	ELECT	470MF	20%	16V
C357	1-123-318-00	ELECT	33MF	20%	16V
		FILTER			
CF001	1-527-476-00	OSCILLATOR, CERAMIC			
CF002	1-527-932-00	OSCILLATOR, CERAMIC			
		COMPOSITION CIRCUIT BLOCK			
CP001	1-232-250-00	COMPOSITION CIRCUIT BLOCK			
CP002	1-232-251-00	COMPOSITION CIRCUIT BLOCK			
CP003	1-232-252-00	COMPOSITION CIRCUIT BLOCK			
CP004	1-232-253-00	COMPOSITION CIRCUIT BLOCK			
CP005	1-232-254-00	COMPOSITION CIRCUIT BLOCK			
CP006	1-232-255-00	COMPOSITION CIRCUIT BLOCK			
CP301	1-232-259-00	COMPOSITION CIRCUIT BLOCK			
CP302	1-232-267-00	COMPOSITION CIRCUIT BLOCK			
CP303	1-232-270-00	COMPOSITION CIRCUIT BLOCK			
CP304	1-232-258-00	COMPOSITION CIRCUIT BLOCK			
CP305	1-232-258-00	COMPOSITION CIRCUIT BLOCK			
CP306	1-232-260-00	COMPOSITION CIRCUIT BLOCK			
CP307	1-232-260-00	COMPOSITION CIRCUIT BLOCK			
CP308	1-232-260-00	COMPOSITION CIRCUIT BLOCK			
CP309	1-232-268-00	COMPOSITION CIRCUIT BLOCK			
CP310	1-232-269-00	COMPOSITION CIRCUIT BLOCK			
CP311	1-232-268-00	COMPOSITION CIRCUIT BLOCK			
		DIODE			
D001	8-719-102-90	DIODE RD10EN2			
D002	8-719-911-19	DIODE 1SS119			
D008	8-719-911-19	DIODE 1SS119			
D009	8-719-911-19	DIODE 1SS119			
D010	8-759-157-40	IC UPC574J			
D016	8-719-911-19	DIODE 1SS119			
D017	8-719-911-19	DIODE 1SS119			
D018	8-719-911-19	DIODE 1SS119			
D019	8-719-911-19	DIODE 1SS119			
D020	8-719-911-19	DIODE 1SS119			
D021	8-719-911-19	DIODE 1SS119			
D023	8-719-911-19	DIODE 1SS119			
D024	8-719-911-19	DIODE 1SS119			

Ref.No	Part No	Description	Remark
D027	8-719-911-19	DIODE 1SS119	
D301	8-719-110-07	DIODE RD10E-B	
D302	8-719-911-19	DIODE 1SS119	
D303	8-719-911-19	DIODE 1SS119	
D304	8-719-911-19	DIODE 1SS119	
D305	8-719-911-19	DIODE 1SS119	
D306	8-719-911-19	DIODE 1SS119	
D307	8-719-911-19	DIODE 1SS119	
D308	8-719-911-19	DIODE 1SS119	
D309	8-719-911-19	DIODE 1SS119	
D310	8-719-911-19	DIODE 1SS119	
D311	8-719-911-19	DIODE 1SS119	
		IC	
IC001	8-759-600-03	IC M50120P	
IC002	8-759-600-17	IC M50118P	
IC003	8-759-600-16	IC M5G1400P	
IC004	8-759-600-15	IC M54570L	
IC005	8-759-240-27	IC TC4027BP	
IC006	8-759-240-27	IC TC4027BP	
IC007	8-759-600-15	IC M54570L	
IC008	8-759-600-15	IC M54570L	
IC301	8-759-340-53	IC HD14053BP	
IC302	8-759-340-52	IC HD14052BP	
IC303	8-759-240-16	IC TC4016BP	
IC304	8-759-145-58	IC UPC4558C	
IC305	8-759-145-58	IC UPC4558C	
IC306	8-759-145-58	IC UPC4558C	
		COIL	
L001	1-407-192-XX	MICRO INDUCTOR 560UH	
L002	1-407-192-XX	MICRO INDUCTOR 560UH	
L003	1-407-192-XX	MICRO INDUCTOR 560UH	
L004	1-408-247-00	MICRO INDUCTOR 33MMH	
		CONNECTOR	
M1	1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
M2	1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
M3	1-560-129-00	PLUG, CONNECTOR (2.5MM) 9P	
M4	1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)	
M5	1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P	
M6	1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
M7	1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P	
M8	1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
M9	1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)	
M10	1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P	
M11	1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P	
M12	1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)	
M13	1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
M14	1-560-156-00	PLUG, CONNECTOR (2.5MM PITCH)	
M15	1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
M16	1-560-127-00	PLUG, CONNECTOR (2.5MM) 7P	
M17	1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	

Ref.No	Part No	Description	Remark
		TRANSISTOR	
Q001	8-729-117-54	TRANSISTOR 2SA1175	
Q002	8-729-178-54	TRANSISTOR 2SC2785	
Q003	8-729-178-54	TRANSISTOR 2SC2785	
Q004	8-729-178-54	TRANSISTOR 2SC2785	
Q005	8-729-117-54	TRANSISTOR 2SA1175	
Q006	8-729-117-54	TRANSISTOR 2SA1175	
Q007	8-729-178-54	TRANSISTOR 2SC2785	
Q008	8-729-117-54	TRANSISTOR 2SA1175	
Q009	8-729-117-54	TRANSISTOR 2SA1175	
Q010	8-729-178-54	TRANSISTOR 2SC2785	
Q011	8-729-178-54	TRANSISTOR 2SC2785	
Q012	8-729-117-54	TRANSISTOR 2SA1175	
Q013	8-729-178-54	TRANSISTOR 2SC2785	
Q014	8-729-178-54	TRANSISTOR 2SC2785	
Q015	8-729-178-54	TRANSISTOR 2SC2785	
Q016	8-729-178-54	TRANSISTOR 2SC2785	
Q017	8-729-117-54	TRANSISTOR 2SA1175	
Q018	8-729-178-54	TRANSISTOR 2SC2785	
Q019	8-729-117-54	TRANSISTOR 2SA1175	
Q020	8-729-178-54	TRANSISTOR 2SC2785	
Q021	8-729-178-54	TRANSISTOR 2SC2785	
Q022	8-729-117-54	TRANSISTOR 2SA1175	
Q023	8-729-178-54	TRANSISTOR 2SC2785	
Q301	8-729-178-54	TRANSISTOR 2SC2785	
Q302	8-729-178-54	TRANSISTOR 2SC2785	
Q303	8-729-178-54	TRANSISTOR 2SC2785	
Q304	8-729-178-54	TRANSISTOR 2SC2785	
Q305	8-729-178-54	TRANSISTOR 2SC2785	
Q306	8-729-178-54	TRANSISTOR 2SC2785	
Q307	8-729-178-54	TRANSISTOR 2SC2785	
Q308	8-729-117-54	TRANSISTOR 2SA1175	
Q309	8-729-178-54	TRANSISTOR 2SC2785	
Q310	8-729-178-54	TRANSISTOR 2SC2785	
Q311	8-729-178-54	TRANSISTOR 2SC2785	
Q312	8-729-178-54	TRANSISTOR 2SC2785	
Q313	8-729-117-54	TRANSISTOR 2SA1175	
Q314	8-729-117-54	TRANSISTOR 2SA1175	
		RESISTOR	
R001	1-246-799-00	CARBON 22K 1/8W	
R002	1-246-789-00	CARBON 3.3K 1/8W	
R003	1-246-771-00	CARBON 100 1/8W	
R004	1-246-795-00	CARBON 10K 1/8W	
R005	1-246-799-00	CARBON 22K 1/8W	
R006	1-246-783-00	CARBON 1K 1/8W	
R007	1-246-783-00	CARBON 1K 1/8W	
R008	1-246-803-00	CARBON 47K 1/8W	
R009	1-246-803-00	CARBON 47K 1/8W	
R010	1-246-809-00	CARBON 150K 1/8W	
R011	1-247-049-00	CARBON 470K 1/8W	
R012	1-247-053-00	CARBON 1M 1/8W	

Ref.No	Part No	Description			Remark
R013	1-246-808-00	CARBON	120K	1/8W	
R014	1-246-807-00	CARBON	100K	1/8W	
R015	1-246-807-00	CARBON	100K	1/8W	
R016	1-246-783-00	CARBON	1K	1/8W	
R017	1-246-783-00	CARBON	1K	1/8W	
R018	1-246-783-00	CARBON	1K	1/8W	
R019	1-246-793-00	CARBON	6.8K	1/8W	
R020	1-206-668-00	METAL	1.5K 5%	2W F	
R022	1-246-795-00	CARBON	10K	1/8W	
R023	1-246-783-00	CARBON	1K	1/8W	
R024	1-246-799-00	CARBON	22K	1/8W	
R025	1-246-799-00	CARBON	22K	1/8W	
R026	1-246-799-00	CARBON	22K	1/8W	
R027	1-246-795-00	CARBON	10K	1/8W	
R028	1-246-795-00	CARBON	10K	1/8W	
R029	1-246-803-00	CARBON	47K	1/8W	
R030	1-246-801-00	CARBON	33K	1/8W	
R031	1-246-803-00	CARBON	47K	1/8W	
R032	1-246-803-00	CARBON	47K	1/8W	
R033	1-246-795-00	CARBON	10K	1/8W	
R034	1-246-803-00	CARBON	47K	1/8W	
R035	1-246-803-00	CARBON	47K	1/8W	
R036	1-246-803-00	CARBON	47K	1/8W	
R037	1-246-795-00	CARBON	10K	1/8W	
R038	1-246-785-00	CARBON	1.5K	1/8W	
R039	1-246-792-00	CARBON	5.6K	1/8W	
R044	1-246-797-00	CARBON	15K	1/8W	
R046	1-246-807-00	CARBON	100K	1/8W	
R048	1-246-807-00	CARBON	100K	1/8W	
R049	1-246-807-00	CARBON	100K	1/8W	
R050	1-247-047-00	CARBON	330K	1/8W	
R051	1-246-807-00	CARBON	100K	1/8W	
R052	1-246-797-00	CARBON	15K	1/8W	
R053	1-246-795-00	CARBON	10K	1/8W	
R054	1-246-784-00	CARBON	1.2K	1/8W	
R055	1-246-784-00	CARBON	1.2K	1/8W	
R056	1-246-784-00	CARBON	1.2K	1/8W	
R057	1-246-784-00	CARBON	1.2K	1/8W	
R058	1-246-784-00	CARBON	1.2K	1/8W	
R059	1-246-782-00	CARBON	820	1/8W	
R060	1-246-782-00	CARBON	820	1/8W	
R061	1-246-782-00	CARBON	820	1/8W	
R062	1-246-777-00	CARBON	330	1/8W	
R063	1-246-777-00	CARBON	330	1/8W	
R066	1-246-771-00	CARBON	100	1/8W	
R067	1-246-783-00	CARBON	1K	1/8W	
R068	1-246-803-00	CARBON	47K	1/8W	
R069	1-247-046-00	CARBON	270K	1/8W	
R070	1-246-789-00	CARBON	3.3K	1/8W	
R071	1-246-783-00	CARBON	1K	1/8W	
R072	1-246-803-00	CARBON	47K	1/8W	
R073	1-246-803-00	CARBON	47K	1/8W	
R075	1-246-807-00	CARBON	100K	1/8W	

Ref.No	Part No	Description				Remark
R076	1-246-803-00	CARBON	47K		1/8W	
R077	1-246-794-00	CARBON	8.2K		1/8W	
R078	1-246-801-00	CARBON	33K		1/8W	
R079	1-246-803-00	CARBON	47K		1/8W	
R080	1-246-795-00	CARBON	10K		1/8W	
R081	1-246-777-00	CARBON	330		1/8W	
R082	1-246-801-00	CARBON	33K		1/8W	
R083	1-246-811-00	CARBON	220K		1/8W	
R084	1-246-795-00	CARBON	10K		1/8W	
R085	1-246-783-00	CARBON	1K		1/8W	
R086	1-247-047-00	CARBON	330K		1/8W	
R087	1-246-788-00	CARBON	2.7K		1/8W	
R088	1-246-807-00	CARBON	100K		1/8W	
R089	1-246-807-00	CARBON	100K		1/8W	
R090	1-246-792-00	CARBON	5.6K		1/8W	
R091	1-246-799-00	CARBON	22K		1/8W	
R092	1-247-047-00	CARBON	330K		1/8W	
R301	1-246-787-00	CARBON	2.2K		1/8W	
R302	1-246-787-00	CARBON	2.2K		1/8W	
R303	1-246-787-00	CARBON	2.2K		1/8W	
R304	1-246-787-00	CARBON	2.2K		1/8W	
R305	1-246-787-00	CARBON	2.2K		1/8W	
R306	1-246-787-00	CARBON	2.2K		1/8W	
R316	1-246-453-00	CARBON	150	5%	1/4W	
R317	1-246-781-00	CARBON	680		1/8W	
R321	1-246-784-00	CARBON	1.2K		1/8W	
R322	1-246-786-00	CARBON	1.8K		1/8W	
R325	1-246-785-00	CARBON	1.5K		1/8W	
R326	1-246-755-00	CARBON	4.7		1/8W	
R327	1-246-755-00	CARBON	4.7		1/8W	
R328	1-246-784-00	CARBON	1.2K		1/8W	
R329	1-246-786-00	CARBON	1.8K		1/8W	
R332	1-246-785-00	CARBON	1.5K		1/8W	
R333	1-246-755-00	CARBON	4.7		1/8W	
R334	1-246-755-00	CARBON	4.7		1/8W	
R338	1-246-775-00	CARBON	220		1/8W	
R339	1-246-783-00	CARBON	1K		1/8W	
R340	1-246-794-00	CARBON	8.2K		1/8W	
R341	1-246-781-00	CARBON	680		1/8W	
R343	1-246-775-00	CARBON	220		1/8W	
R344	1-246-804-00	CARBON	56K		1/8W	
R348	1-246-775-00	CARBON	220		1/8W	
R353	1-246-775-00	CARBON	220		1/8W	
R358	1-212-889-00	FUSIBLE	220	5%	1/4W	F
R359	1-246-781-00	CARBON	680		1/8W	
R360	1-246-781-00	CARBON	680		1/8W	
R361	1-246-795-00	CARBON	10K		1/8W	
R362	1-246-795-00	CARBON	10K		1/8W	
R363	1-246-799-00	CARBON	22K		1/8W	
R364	1-246-799-00	CARBON	22K		1/8W	

Ref.No	Part No	Description			Remark
	★:1-607-157-00	S BOARD			
		*******			
		CAPACITOR			
C101	1-108-387-00	MYLAR	0.068MF	10%	100V
C102	1-108-387-00	MYLAR	0.068MF	10%	100V
C103	1-161-265-00	CERAMIC	33PF	5%	50V
C104	1-123-318-00	ELECT	33MF	20%	16V
C105	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C106	1-123-324-00	ELECT	1000MF	20%	16V
C107	1-123-356-00	ELECT	10MF	20%	16V
C108	1-123-356-00	ELECT	10MF	20%	16V
C109	1-108-389-00	MYLAR	0.1MF	10%	100V
C110	1-123-380-00	ELECT	1MF	20%	50V
		DIODE			
D101	8-719-911-19	DIODE 1SS119			
		JACK			
J101	★:1-526-575-00	SOCKET, PLUG			
		COIL			
L101	1-408-242-00	MICRO INDUCTOR 10MMH			
		TRANSISTOR			
Q101	8-729-178-54	TRANSISTOR 2SC2785			
		RESISTOR			
R101	1-246-799-00	CARBON	22K	1/8W	
R103	1-247-047-00	CARBON	330K	1/8W	
R104	1-246-787-00	CARBON	2.2K	1/8W	
R105	1-246-787-00	CARBON	2.2K	1/8W	
R106	1-246-810-00	CARBON	180K	1/8W	
		CONNECTOR			
S1	★:1-560-127-00	PLUG, CONNECTOR (2.5MM) 7P			
S2	★:1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P			

****

★:1-607-158-00	H1 BOARD	
	********	
★:1-555-356-00	CONNECTOR ASSY (2.5MM) 6P	
★:1-555-837-00	CONNECTOR ASSY (2.5MM) 6P	
★:1-555-966-71	CONNECTOR ASSY (2.5MM) 5P	
★:1-556-004-21	CONNECTOR ASSY (2.5MM) 6P	
★:1-556-004-31	CONNECTOR ASSY (2.5MM) 6P	
★:1-556-235-61	CONNECTOR ASSY (2.5MM) 4P	
★:4-342-714-00	COVER, LED	
★:4-350-901-00	HOLDER (M), LED	
★:4-357-812-00	HOLDER, LED	
4-357-813-00	COVER, LED HOLDER	

H1 H2 HL K

Ref.No	Part No	Description			Remark
		CAPACITOR			
C451	1-123-369-00	ELECT	4.7MF	20% 50V	
C452	1-123-369-00	ELECT	4.7MF	20% 50V	
C453	1-123-381-00	ELECT	2.2MF	20% 50V	
		COMPOSITION CIRCUIT BLOCK			
CP451	1-231-731-00	COMPOSITION CIRCUIT BLOCK			
CP452	1-232-257-00	COMPOSITION CIRCUIT BLOCK			
		DIODE			
D456	8-719-911-19	DIODE 1SS119			
		IC			
IC451	8-759-619-03	IC M51903L			
		DIODE			
LED451	8-719-901-96	DIODE SLP161B			
LED452	8-719-903-61	DIODE SLP361B			
LED454	8-719-912-61	DIODE SLP261B			
LED455	8-719-902-06	DIODE SLP152B-50			
		RESISTOR			
R451	1-246-799-00	CARBON	22K	1/8W	
R452	1-246-771-00	CARBON	100	1/8W	
R453	1-246-787-00	CARBON	2.2K	1/8W	
		VARIABLE RESISTOR			
RV451	1-228-366-00	RES, VAR, CARBON 20K/20K			
		SWITCH			
S451	1-553-329-00	SWITCH, PUSH (MONO KEY)			
S452	1-554-118-00	SWITCH, PUSH			
S453	1-553-329-00	SWITCH, PUSH (MONO KEY)			
S454	1-554-118-00	SWITCH, PUSH			
S455	1-553-766-00	SWITCH, KEY BOARD			
S456	1-553-766-00	SWITCH, KEY BOARD			
S457	1-553-766-00	SWITCH, KEY BOARD			
S458	1-553-766-00	SWITCH, KEY BOARD			
S459	1-553-766-00	SWITCH, KEY BOARD			
S460	1-553-766-00	SWITCH, KEY BOARD			
S461	1-553-766-00	SWITCH, KEY BOARD			
**********					
⏚	1-607-159-00	H2 BOARD ********			
		SWITCH			
S462	1-553-766-00	SWITCH, KEY BOARD			
S463	1-553-766-00	SWITCH, KEY BOARD			

Ref.No	Part No	Description			Remark
⏚	1-607-160-00	HL BOARD ********			
⏚	1-555-954-71	CONNECTOR ASSY (2.5MM) 9P			
⏚	1-556-098-51	CONNECTOR ASSY (2.5MM) 12P			
⏚	4-345-836-00	HOLDER (S-2), LED			
		IC			
IC401	8-759-600-18	IC M54847P			
		DIODE			
LED401	8-719-106-34	DIODE SR632D			
LED402	8-719-106-34	DIODE SR632D			
LED403	8-719-106-34	DIODE SR632D			
LED404	8-719-106-34	DIODE SR632D			
LED405	8-719-106-34	DIODE SR632D			
LED406	8-719-114-34	DIODE SY432D			
LED407	8-719-114-34	DIODE SY432D			
LED408	8-719-114-34	DIODE SY432D			
LED409	8-719-106-34	DIODE SR632D			
LED410	8-719-803-24	DIODE TLR324			
		RESISTOR			
R401	1-246-477-00	CARBON	1.5K 5%	1/4W	
**********					
⏚	1-607-156-00	K BOARD *******			
⏚	1-556-020-31	CONNECTOR ASSY (2.5MM) 3P			
⏚	1-556-235-41	CONNECTOR ASSY (2.5MM) 4P			
⏚	1-556-235-51	CONNECTOR ASSY (2.5MM) 4P			
⏚	1-556-236-71	CONNECTOR ASSY (2.5MM) 8P			
⏚	1-556-236-81	CONNECTOR ASSY (2.5MM) 8P			
		CONNECTOR			
KP701	1-536-713-00	TERMINAL BOARD, CONNECTOR			
KP702	1-536-713-00	TERMINAL BOARD, CONNECTOR			
		RESISTOR			
R701	1-246-830-00	CARBON	75	1/8W	
R702	1-246-787-00	CARBON	2.2K	1/8W	
R703	1-246-787-00	CARBON	2.2K	1/8W	
R704	1-246-804-00	CARBON	56K	1/8W	
R705	1-246-804-00	CARBON	56K	1/8W	
R706	1-246-787-00	CARBON	2.2K	1/8W	
R707	1-246-787-00	CARBON	2.2K	1/8W	
R708	1-246-830-00	CARBON	75	1/8W	
R709	1-246-787-00	CARBON	2.2K	1/8W	
R710	1-246-787-00	CARBON	2.2K	1/8W	
R711	1-246-804-00	CARBON	56K	1/8W	
R712	1-246-804-00	CARBON	56K	1/8W	
R713	1-246-787-00	CARBON	2.2K	1/8W	
R714	1-246-787-00	CARBON	2.2K	1/8W	

Ref.No	Part No	Description			Remark
R715	1-246-769-00	CARBON	68	1/8W	
R716	1-246-769-00	CARBON	68	1/8W	
R717	1-246-783-00	CARBON	1K	1/8W	
R718	1-246-791-00	CARBON	4.7K	1/8W	
R719	1-246-791-00	CARBON	4.7K	1/8W	
R720	1-246-811-00	CARBON	220K	1/8W	
R721	1-246-811-00	CARBON	220K	1/8W	
R722	1-246-791-00	CARBON	4.7K	1/8W	
R723	1-246-791-00	CARBON	4.7K	1/8W	
R724	1-246-769-00	CARBON	68	1/8W	
R725	1-246-769-00	CARBON	68	1/8W	
R726	1-246-783-00	CARBON	1K	1/8W	
R727	1-246-791-00	CARBON	4.7K	1/8W	
R728	1-246-791-00	CARBON	4.7K	1/8W	
R729	1-246-811-00	CARBON	220K	1/8W	
R730	1-246-811-00	CARBON	220K	1/8W	
R731	1-246-791-00	CARBON	4.7K	1/8W	
R732	1-246-791-00	CARBON	4.7K	1/8W	

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♦:1-607-161-00 Z BOARD
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CAPACITOR

C501	1-102-973-00	CERAMIC	100PF	5%	50V
C502	1-102-973-00	CERAMIC	100PF	5%	50V
C503	1-123-356-00	ELECT	10MF	20%	16V
C504	1-123-356-00	ELECT	10MF	20%	16V
C505	1-123-333-00	ELECT	100MF	20%	16V
C506	1-123-333-00	ELECT	100MF	20%	16V
C507	1-123-318-00	ELECT	33MF	20%	16V
C508	1-123-321-00	ELECT	220MF	20%	16V
C509	1-161-494-00	CERAMIC	0.022MF	30%	25V
C510	1-161-494-00	CERAMIC	0.022MF	30%	25V

COMPOSITION CIRCUIT BLOCK

CP501	1-232-261-00	COMPOSITION CIRCUIT BLOCK
CP502	1-232-261-00	COMPOSITION CIRCUIT BLOCK

IC

IC501	8-759-841-75	IC LA4175

JACK

J501	1-507-657-00	JACK

COIL

L501	1-408-163-00	MICRO INDUCTOR 5.6MMH

CONNECTOR

Z1	♦:1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P

Ref.No	Part No	Description			Remark
	♦:1-606-794-00	N BOARD *******			
	1-232-234-00	COMPOSITION CIRCUIT BLOCK			
	♦:4-342-117-00	CASE, SHIELD (MAIN), R			
	♦:4-342-118-00	LID, SHIELD CASE, R			

CAPACITOR

C1	1-123-617-00	ELECT	10MF	20%	16V
C2	1-123-617-00	ELECT	10MF	20%	16V
C3	1-123-617-00	ELECT	10MF	20%	16V
C4	1-161-019-00	CERAMIC	0.033MF	10%	25V
C5	1-108-567-00	MYLAR	0.0033MF	5%	50V
C6	1-123-821-00	ELECT	47MF	20%	16V

DIODE

D1	8-719-110-32	DIODE PH302B

IC

IC1	8-759-113-73	IC UPC1373H

COIL

L1	1-404-310-00	COIL

****

MISCELLANEOUS
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	⚠1-463-350-00	TUNER (BT-881)
	⚠1-551-427-11	CORD, POWER, EULO PLUG
	♦:1-555-069-00	CONNECTOR ASSY (2.5MM) 3P
	♦:1-555-754-00	CONNECTOR ASSY (2.5MM) 3P
	♦:1-555-966-81	CONNECTOR ASSY (2.5MM) 5P
	♦:1-556-057-21	CONNECTOR ASSY (LARGE) 3P
	♦:1-556-135-41	CONNECTOR ASSY (2.5MM) 7P
	⚠1-556-140-00	CABLE, ANTENNA
	♦:1-556-235-71	CONNECTOR ASSY (2.5MM) 4P
	♦:1-556-236-91	CONNECTOR ASSY (2.5MM) 8P
	⚠1-561-825-00	SOCKET, ANTENNA INPUT
	⚠2-245-510-00	CLAMPER CABLE
S901	⚠1-553-330-21	SWITCH, PUSH (POWER)

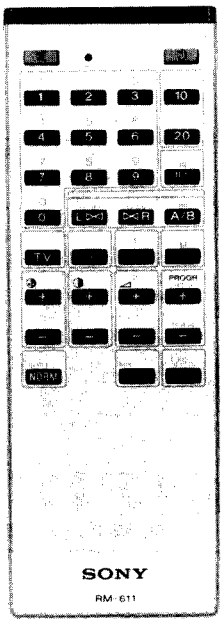
NOTE:

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

ACCESSORIES AND PACKING MATERIALS
****

Part.No	Description	Remark
1-555-259-31	CABLE, VIDEO (VK-2D)	
3-701-630-00	BAG, POLYETHYLENE	
4-309-407-04	BAG, POLYETHYLENE	
4-357-829-00	INDIVIDUAL CARTON	
4-357-830-00	CUSHION (SIDE)	
4-357-831-00	CUSHION (UPPER)	
4-493-658-41	MANUAL, INSTRUCTION	

RM-611



REMOTE COMMANDER

SPECIFICATIONS

Remote Control System:	Infrared control
Power Requirements:	3 V dc 2 batteries size AA (IEC Battery Designation R6)
Dimensions:	Approx. 65 x 185 x 18 mm (w/h/d)
Weight:	Approx. 170 g including batteries
Supplied Accessory:	Battery size AA (2 pcs.)

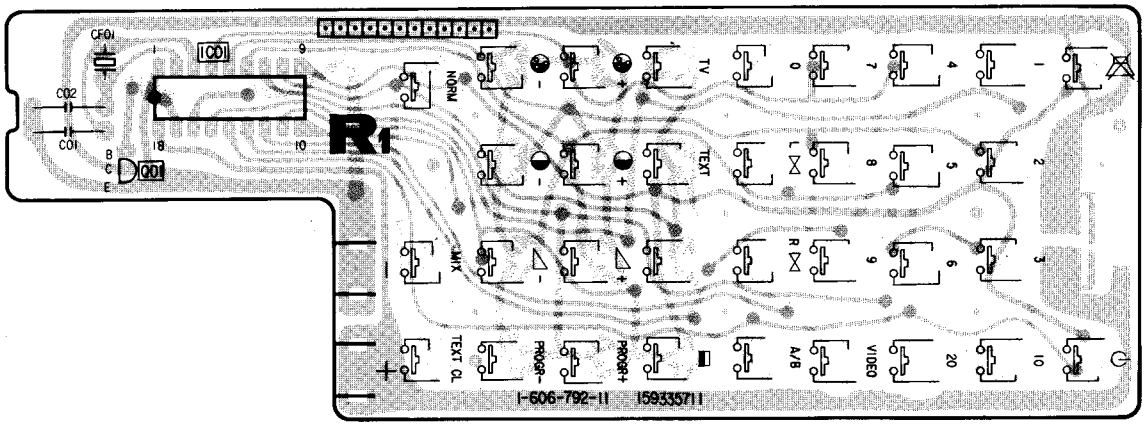
2. MOUNTING DIAGRAM

– Conductor Side –

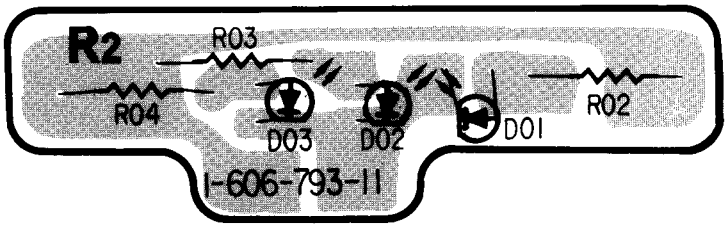
A | B | C | D

1 | 2 | 3 | 4 | 5

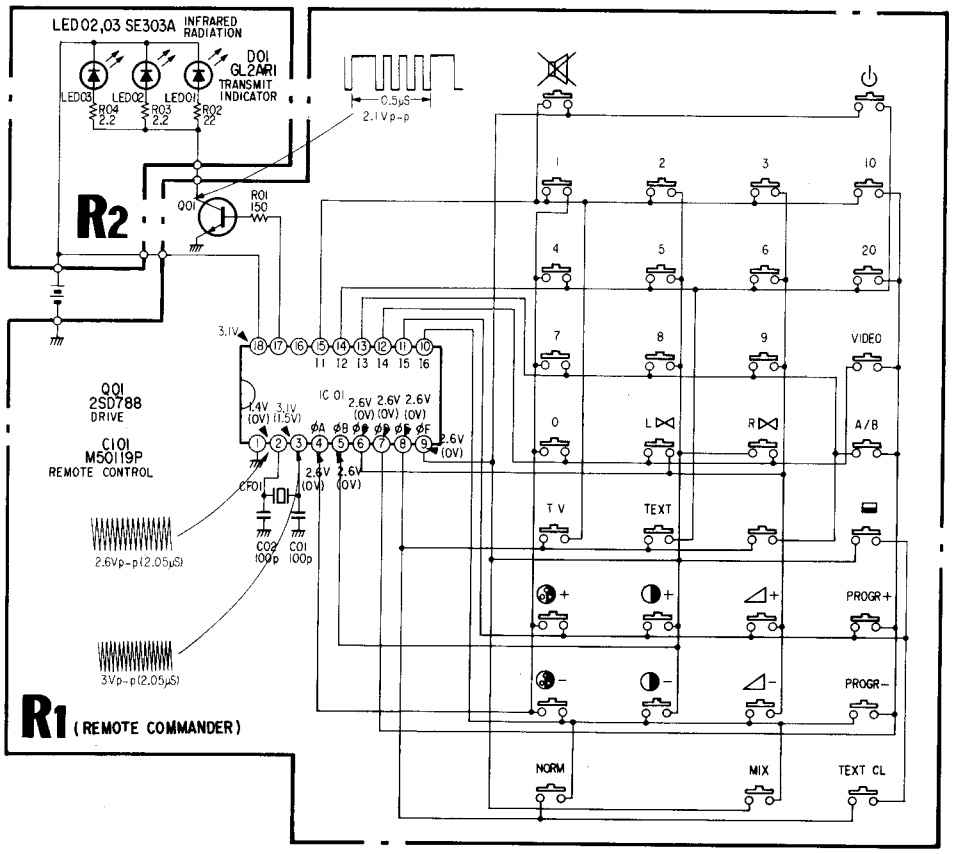
– R1 Board –



– R2 Board –



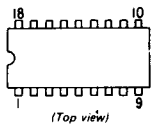
3. SCHEMATIC DIAGRAM



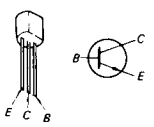
MODE / IC PIN	10	11	12	13	14	15	17	Q01 B	Q01 C
⏻	3.1	3.1	3.1	3.1	2.6	3.1	0	0	2.4
	3.1	3.1	3.1	3.1	3.1	2.6	0	0	2.4
1	3.1	3.1	3.1	3.1	3.1	2.6	0	0	2.4
2	3.1	3.1	3.1	3.1	3.1	2.6	0	0	2.4
3	3.1	3.1	3.1	3.1	3.1	2.6	0	0	2.4
4	3.1	3.1	3.1	3.1	2.6	3.1	0	0	2.4
5	3.1	3.1	3.1	3.1	2.6	3.1	0	0	2.4
6	3.1	3.1	3.1	3.1	2.6	3.1	0	0	2.4
7	3.1	3.1	3.1	2.6	3.1	3.1	0	0	2.4
8	3.1	3.1	3.1	2.6	3.1	3.1	0	0	2.4
9	3.1	3.1	3.1	2.6	3.1	3.1	0	0	2.4
0	3.1	3.1	2.6	3.1	3.1	3.1	0	0	2.4
10	3.1	3.1	3.1	3.1	3.1	2.6	0	0	2.4
20	3.1	3.1	3.1	3.1	2.6	3.1	0	0	2.4
VIDEO	3.1	3.1	2.6	3.1	3.1	3.1	0	0	2.4
L	3.1	3.1	2.6	3.1	3.1	3.1	0.2	0.1	2.2
R	3.1	3.1	2.6	3.1	3.1	3.1	0.2	0.1	2.2
A/B	3.1	3.1	3.1	2.6	3.1	3.1	0.2	0.1	2.2
TV	3.1	3.1	3.1	3.1	3.1	2.6	0	0	2.4
TEXT	3.1	3.1	3.1	3.1	2.6	3.1	0	0	2.4
	3.1	3.1	3.1	2.6	3.1	3.1	0	0	2.4
	3.1	2.6	3.1	3.1	3.1	3.1	0.2	0.1	2.2
+	3.1	2.6	3.1	3.1	3.1	3.1	0.2	0.1	2.2
−	2.6	3.1	3.1	3.1	3.1	3.1	0.2	0.1	2.2
+	3.1	2.6	3.1	3.1	3.1	3.1	0.2	0.1	2.2
−	2.6	3.1	3.1	3.1	3.1	3.1	0.2	0.1	2.2
+	3.1	2.6	3.1	3.1	3.1	3.1	0.2	0.1	2.2
−	2.6	3.1	3.1	3.1	3.1	3.1	0.2	0.1	2.2
PROGR +	3.1	2.6	3.1	3.1	3.1	3.1	0.2	0.1	2.2
PROGR −	2.6	3.1	3.1	3.1	3.1	3.1	0.2	0.1	2.2
NORM	2.6	3.1	3.1	3.1	3.1	3.1	0	0	2.4
MIX	2.6	3.1	3.1	3.1	3.1	3.1	0	0	2.4
TEXT CL	3.1	2.6	3.1	3.1	3.1	3.1	0.2	0.1	2.2

- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics.
- All resistors are in ohms, ¼ W unless otherwise noted. k: 1000 Ω, M: 1000 kΩ
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

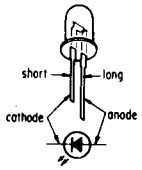
M50119P



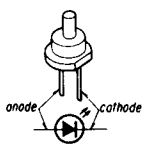
2SD788



3E303A SE303AX



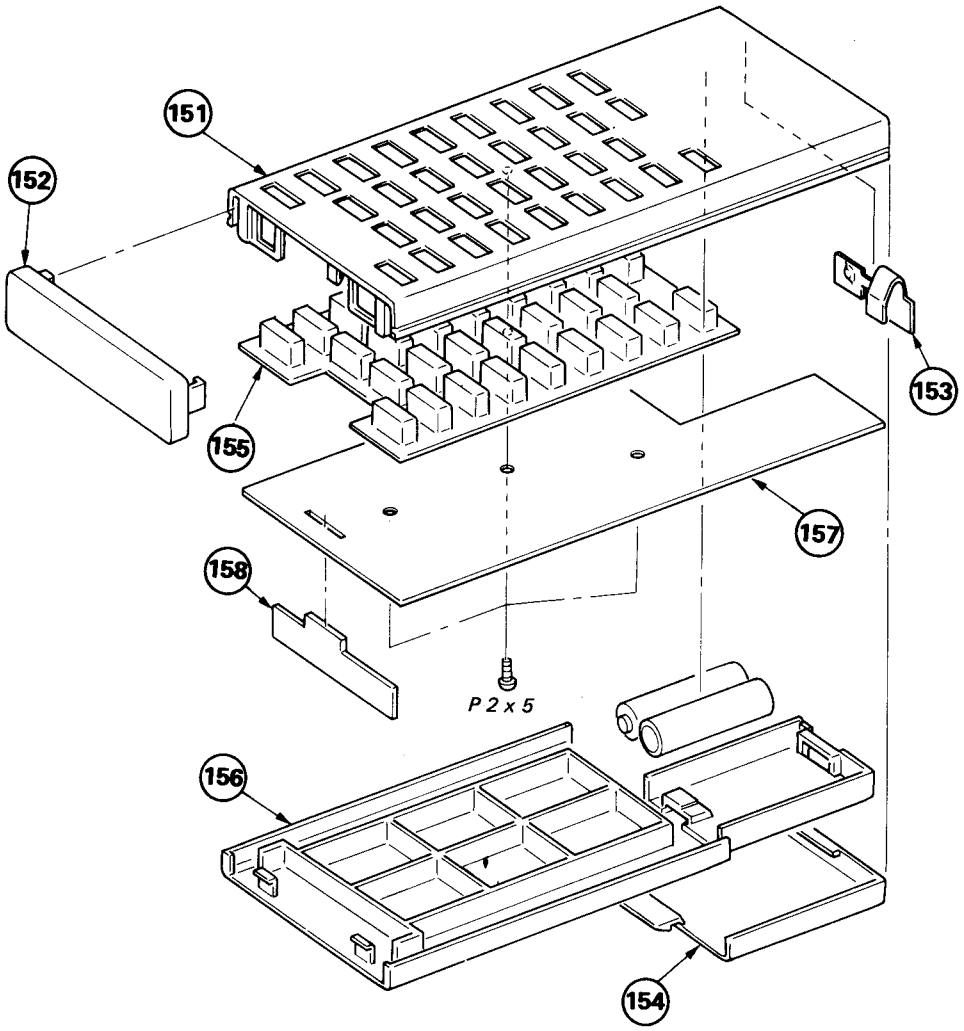
GL2AR1



- Voltages and waveform are for when A/B button is pressed.
- Voltages in ( ) are taken with button not pressed.

4. EXPLODED VIEW

NOTE:
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- As to the part numbered with E-, refer to the electrical parts list.
- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



No.	Part No	Description	Remark
151	X-4356-912-0	CASE (UPPER) ASSY, COMMANDER	
152	4-356-343-00	PANEL, COMMANDER (FRONT)	
153	4-356-344-00	TERMINAL (A), BATTERY	
154	4-356-347-00	LID, BATTERY CASE, COMMANDER	
155	4-356-348-11	KEY TOP, 34	
156	4-356-350-00	CASE (LOWER), COMMANDER	
157	♦:1-606-792-00	R1 BOARD	
158	♦:1-606-793-00	R2 BOARD	

5. ELECTRICAL PARTS LIST

Ref.No	Part No	Description				Remark
♦	1-606-792-00	R1 BOARD ********				
	4-356-345-00	TERMINAL (B), BATTERY				
	4-356-346-00	TERMINAL (C), BATTERY				
		CAPACITOR				
C01	1-161-271-00	CERAMIC	100PF	5%	50V	
C02	1-161-271-00	CERAMIC	100PF	5%	50V	
		FILTER				
CF01	1-527-476-00	OSCILLATOR, CERAMIC				
		IC				
IC01	8-759-600-07	IC M50119P				
		TRANSISTOR				
Q01	8-729-378-84	TRANSISTOR 2SD788-5				
**********						
♦	1-606-793-00	R2 BOARD ********				
		DIODE				
D01	8-719-900-23	DIODE GL-2AR1				
LED02	8-719-103-03	DIODE SE303A				
LED03	8-719-103-03	DIODE SE303A				
		RESISTOR				
R02	1-246-433-00	CARBON	22	5%	1/4W	
R03	1-246-409-00	CARBON	2.2	5%	1/4W	
R04	1-246-409-00	CARBON	2.2	5%	1/4W	
**********						

ACCESSORIES AND PACKING MATERIALS
****

Part.No	Description	Remark
3-701-628-00	BAG, POLYETHYLENE	

- Items marked " ♦ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
- MF : μF, PF : μμF

RESISTORS
- All resistors are in ohms
- F : nonflammable

STANDARD PARTS LIST

ELECTROLYTIC CAPACITORS

RATING → : Use the high voltage rated one.

CAP. (μF)	6.3 VOLT.	10 VOLT.	16 VOLT.	25 VOLT.	35 VOLT.	50 VOLT.	63 VOLT.
	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.	PART No.
0.47						→	→
1.0						→	→
2.2						→	→
3.3						→	→
4.7				→	→	→	1-123-369-00
10			→	→	→	1-123-356-00	1-123-370-00
22			→	1-123-330-00	→	1-123-357-00	1-123-371-00
33	→	→	1-123-318-00	→	1-123-343-00	→	1-123-372-00
47	→	1-123-306-00	→	1-123-332-00	→	1-123-359-00	1-123-373-00
100	→	1-123-307-00	→	1-123-333-00	1-123-345-00	1-123-360-00	1-123-374-00
220	→	1-123-308-00	1-123-321-00	1-123-334-00	1-123-346-00	1-123-361-00	1-123-375-00
330	→	1-123-309-00	1-123-322-00	1-123-335-00	1-123-347-00	1-123-362-00	1-123-376-00
470	1-123-298-00	1-123-310-00	1-123-323-00	1-123-336-00	1-123-348-00	1-123-363-00	1-123-377-00
1000	1-123-299-00	1-123-311-00	1-123-324-00	1-123-337-00	1-123-349-00	1-123-364-00	1-123-378-00
2200	1-123-300-00	→	1-123-325-00	1-123-338-00	1-123-350-00		
3300	1-123-301-00	1-123-313-00	1-123-326-00	1-123-339-00			
4700	1-123-302-00	1-123-314-00	1-123-327-00				
6800	1-123-303-00	1-123-315-00					
10000	1-123-304-00						

CAP. (μF)	100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT.
	PART No.	PART No.	PART No.	PART No.
0.47	1-123-379-00			
1.0	1-123-380-00	1-123-252-00	1-123-003-00	1-121-168-00
2.2	1-123-381-00	1-123-026-00	1-123-027-00	1-123-028-00
3.3	1-123-382-00	1-121-707-00	1-123-004-00	1-123-006-00
4.7	1-123-383-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-123-384-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-123-385-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-123-386-00	1-121-757-00		
47	1-123-387-00	1-121-919-00		
100	1-123-388-00			
220	1-123-389-00			
330	1-123-390-00			
470	1-123-391-00			

CERAMIC CAPACITORS

RATING

CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (μF)	50 VOLT.
	PART No.		PART No.		PART No.		PART No.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00		
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00		
16	1-102-952-00	110	1-102-815-00				
18	1-102-953-00	120	1-102-816-00				
20	1-102-958-00	130	1-101-081-00				

MYLAR CAPACITORS

0.001μF = 1,000pF

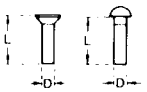
RATING

CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.	CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.	CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.
	PART No.	PART No.	PART No.		PART No.	PART No.	PART No.		PART No.	PART No.	PART No.
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00
0.0012	1-108-351-00	1-108-366-00	1-108-410-00	0.012	1-108-357-00	1-108-378-00	1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-00
0.0015	1-108-228-00	1-108-367-00	1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-00	0.15	1-108-252-00	1-108-391-00	1-108-435-00
0.0018	1-108-352-00	1-108-368-00	1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-00	0.18	1-108-364-00	1-108-392-00	1-108-436-00
0.0022	1-108-230-00	1-108-369-00	1-108-413-00	0.022	1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00
0.0027	1-108-353-00	1-108-370-00	1-108-414-00	0.027	1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-854-00	–	–
0.0033	1-108-232-00	1-108-371-00	1-108-415-00	0.033	1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-855-00	–	–
0.0039	1-108-354-00	1-108-372-00	1-108-416-00	0.039	1-108-360-00	1-108-384-00	1-108-428-00	0.39	1-108-856-00	–	–
0.0047	1-108-234-00	1-108-373-00	1-108-417-00	0.047	1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-857-00	–	–
0.0056	1-108-355-00	1-108-374-00	1-108-418-00	0.056	1-108-361-00	1-108-386-00	1-108-430-00				
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068	1-108-249-00	1-108-387-00	1-108-431-00				
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00				

HARDWARE NOMENCLATURE

Screw: P 3 x 10

- *L: Length in mm*
- *D: Diameter in mm*
- *Type of head*
- *Indicated slotted-head only.*
- *Unless otherwise indicated, it means cross-recessed head (Phillips type).*



Nut, Washer, Retaining ring:

N 3

- *Diameter of usable screw or shaft*
- *Reference designation*

Reference Designation	Shape	Description	Remarks
		SCREWS	
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		braizer-head screw	

Reference Designation	Shape	Description	Remarks
		SELF-TAPPING SCREWS	
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
		SET SCREWS	
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
		NUT	
N		nut	
		WASHERS	
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
		RETAINING RINGS	
E		retaining ring	
G		grip-type retaining ring	

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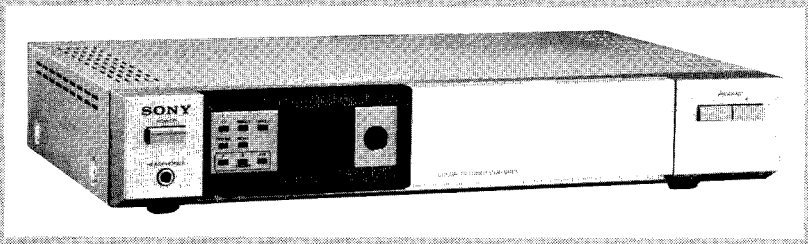
SONY®

VTX-100ES

Kundendienstanleitung



Fernsehtuner/Stereo

Sony-Wega-Service

TECHNISCHE DATEN

CCIR-Fernsehsystem	B und G
Zweiton-System	Zweiträger-System
Empfangsbereiche	VHF-Kanal 2 - 12 UHF-Kanal 21 - 68
Programmierung	30 Programme, automatisch einstellbar; Digitalabstimmung
Antenne	75 Ω-Standardantennenbuchse (DIN 45325 / IEC 169-2)
Eingänge	
VIDEO-1 und VIDEO-2 IN	VIDEO (BNC-Buchse) 1 V_{ss} an 75 Ω, asymmetrisch, negativ synchronisiert AUDIO (2 Cinchbuchsen) -5 dB (436 mV_{eff}), 50 kΩ CONTROL (Minibuchse, 3,5 mm Klinke), 1 - 3 V_{ss} MULTI IN (8polig), entspricht den obigen Anschlüssen
Ausgänge	
MONITOR und TV OUT	VIDEO (BNC-Buchse) 1 V_{ss} an 75 Ω, asymmetrisch, negativ synchronisiert AUDIO (2 Cinchbuchsen), -5 dB (436 mV_{eff}), 5 kΩ CONTROL (Minibuchse, 3,5 mm Klinke), 1 - 3 V_{ss} MULTI OUT (8polig), entspricht den obigen Anschlüssen HEADPHONES (Stereo-Klinkenbuchse) für nieder- und hochohmige Kopfhörer
Stromversorgung	220-240 V Wechselspannung, 50 Hz
Leistungsaufnahme	12 W
Abmessungen (B x H x T)	ca. 430 x 80 x 265 mm
Gewicht	ca. 4,5 kg
Mitgeliefertes Zubehör	Fernbedienung RM-611 Videokabel VK-2D (8poliger Stekker an 8poligen Stecker, 2 m)

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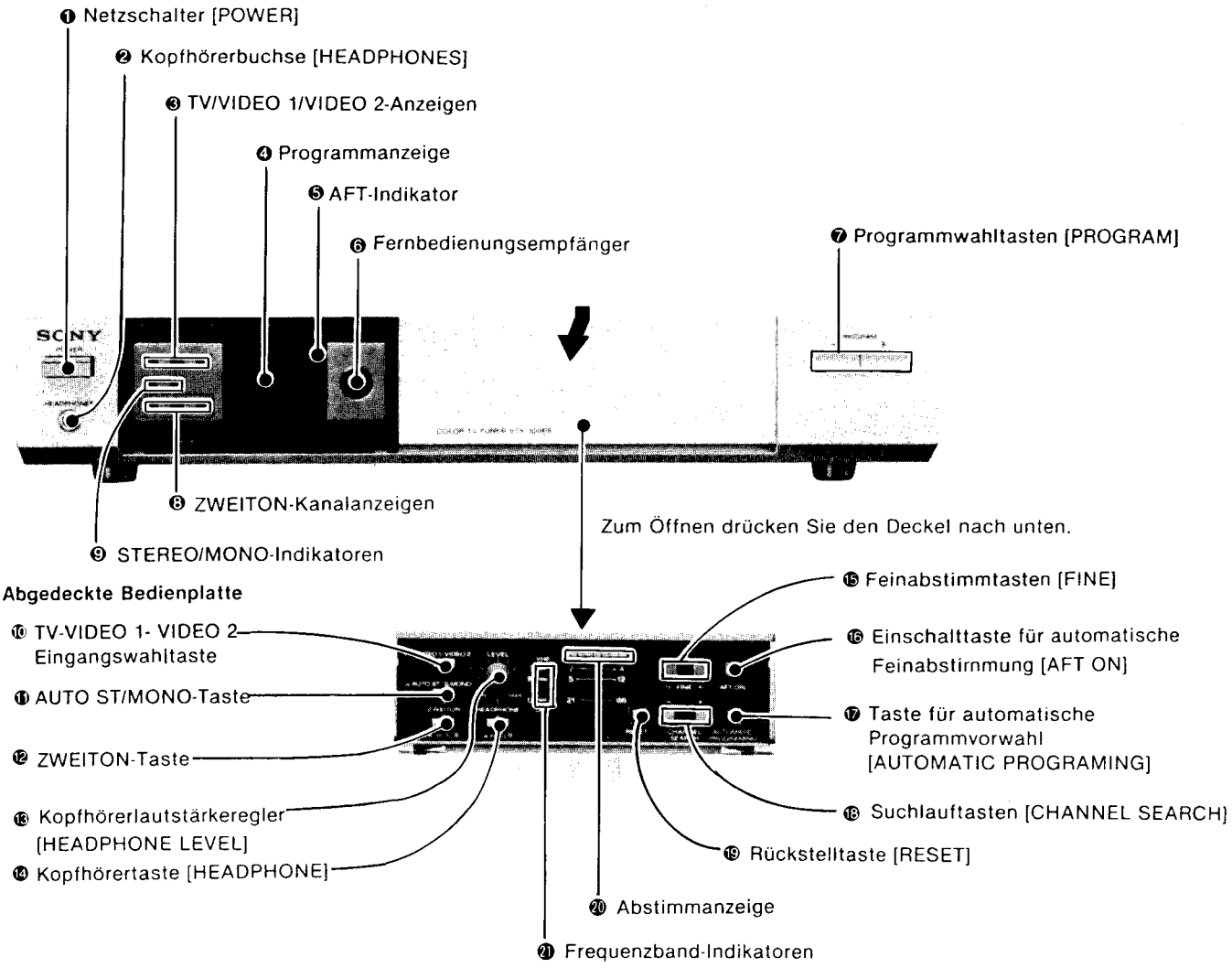
Abteilung Technische Information

SONY DEUTSCHLAND GmbH, Hugo-Eckener-Straße 20, 5000 Köln 30, Tel.: (0221) 5966-1

TEIL 1
ALLGEMEINES

1-1. LAGE UND FUNKTION DER BEDIENELEMENTE

Frontseite

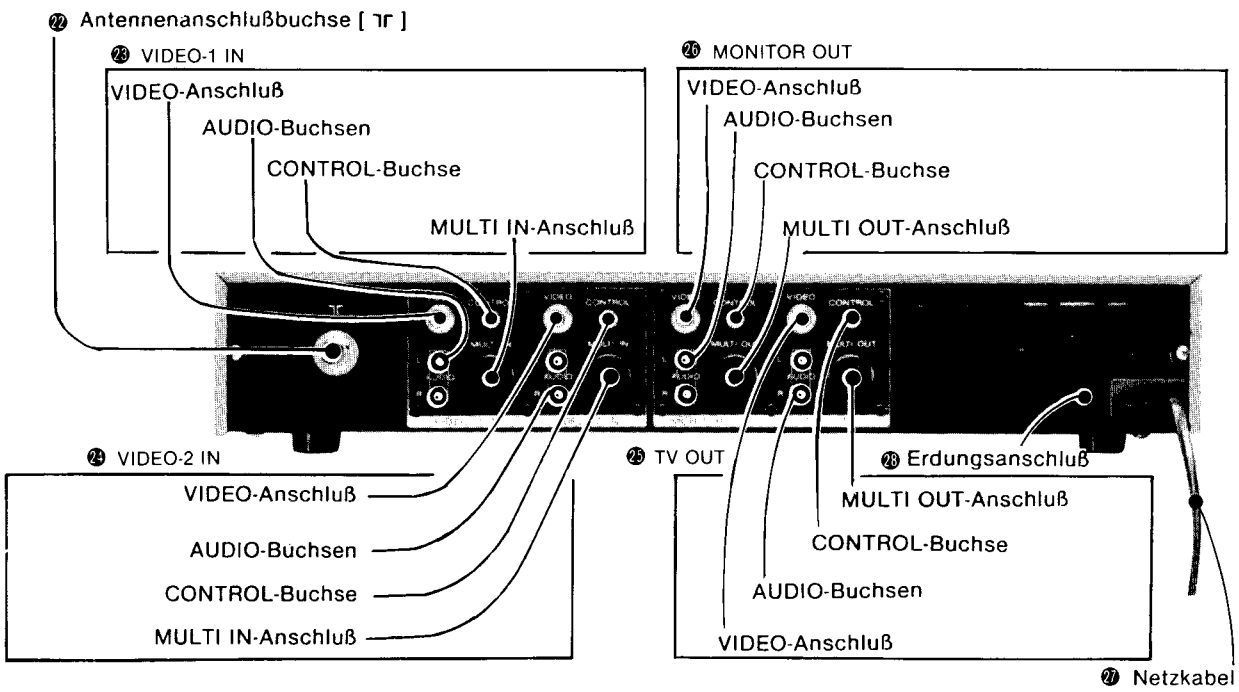


ACHTUNG !

DIE IN DEN SCHALTBILDERN, DEN EXPLOSIONSDARSTELLUNGEN UND DER ERSATZTEILLISTE GRAU UNTERLEGTEN UND MIT DEM ZEICHEN ⚠ GEKENNZEICHNETEN BAUTEILE SIND FÜR DIE BETRIEBSSICHERHEIT WICHTIG. NUR DURCH ORIGINALTEILE ERSETZEN. ET-NUMMERN SIND IN DIESEM HANDBUCH ODER IN VON SONY HERAUSGEGEBENEN ERGÄNZUNGEN AUFGELISTET.

AM CHASSIS LIEGT WECHSELSPANNUNG. BEIM SERVICE DAS GERÄT STETS ÜBER EINEN TRENNTRAFO BETREIBEN.

Rückseite

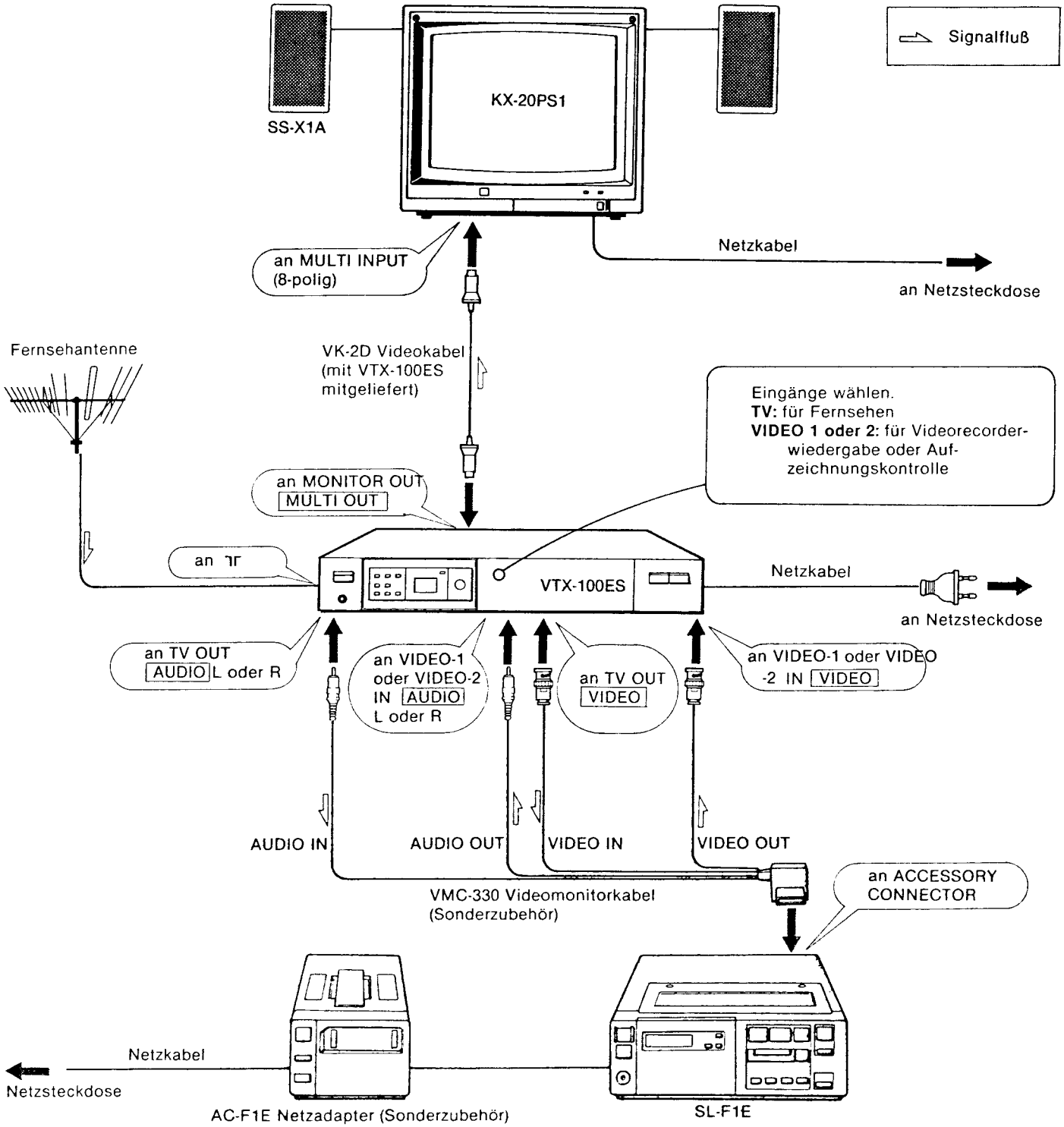

㉒ Antennenanschlußbuchse [⅂Γ]
㉓ VIDEO-1 IN
VIDEO-Anschluß
AUDIO-Buchsen
CONTROL-Buchse
MULTI IN-Anschluß
㉖ MONITOR OUT
VIDEO-Anschluß
AUDIO-Buchsen
CONTROL-Buchse
MULTI OUT-Anschluß
㉔ VIDEO-2 IN
VIDEO-Anschluß
AUDIO-Buchsen
CONTROL-Buchse
MULTI IN-Anschluß
㉕ TV OUT
㉘ Erdungsanschluß
MULTI OUT-Anschluß
CONTROL-Buchse
AUDIO-Buchsen
VIDEO-Anschluß
㉗ Netzkabel

1-2. SYSTEMANSCHLÜSSE

1

Farb-Fernsehtuner VTX-100ES + **Farbmonitor KX-20PS1** + **Lautsprechersystem, z.B. SS-X1A** + **Nicht mit einem Fernsehtuner ausgestatteter Videorecorder, z.B. SL-F1E**

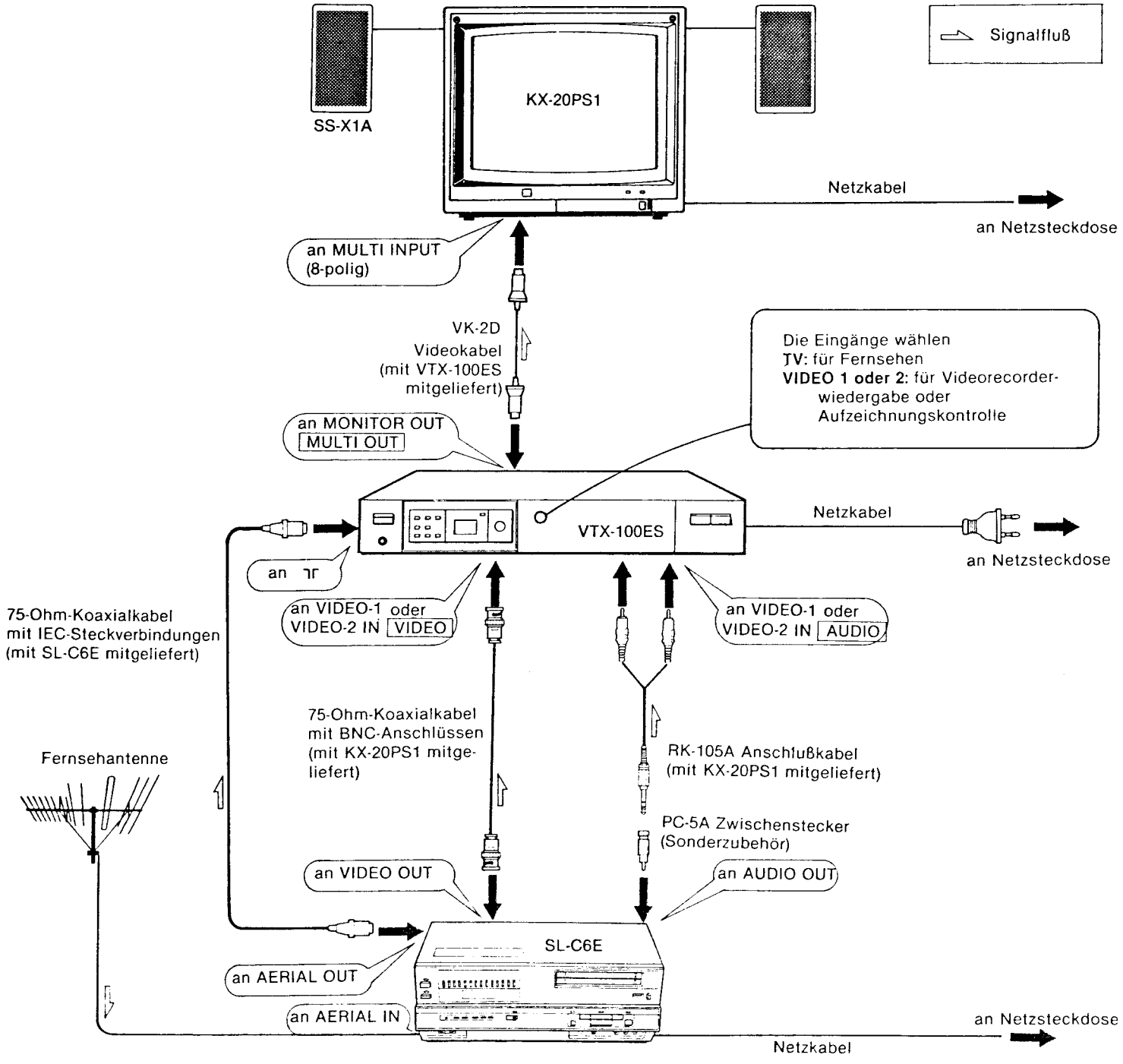
Ausgestrahlte Fernsehprogramme, aufgezeichnete Fernsehprogramme und mit einer Kamera aufgenommene Programme können am Farbmonitor betrachtet werden.
Sie können den VTX-100ES und den Farbmonitor mit dem mitgelieferten Fernbedienungsgeber fernbedienen.



2

Farb-Fernsehtuner VTX-100ES + **Farbmonitor KX-20PS1** + **Lautsprechersystem, z.B. SS-X1A** + **Mit einem Fernsehtuner ausgestatteter Videorecorder, z.B. SL-C6E**

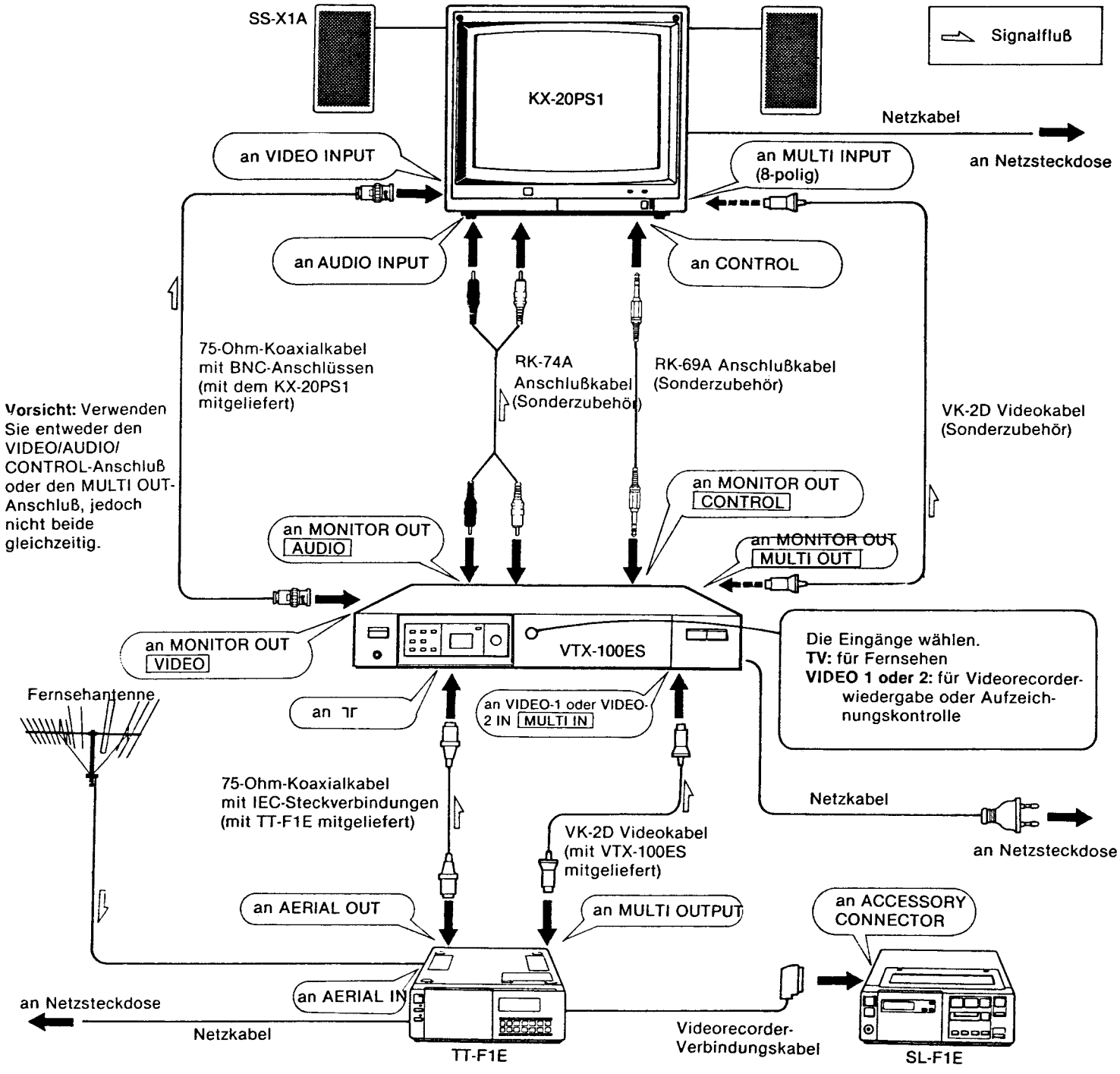
Ausgestrahlte Fernsehprogramme, aufgezeichnete Fernsehprogramme und mit einer Kamera aufgenommene Programme können am Farbmonitor betrachtet werden.
Während der Aufzeichnung eines mit dem VTR-Tuner gewälten Fernsehprogramms kann dasselbe oder ein anderes am VTX-100ES gewähltes Programm betrachtet werden.
Sie können den VTX-100ES und den Farbmonitor mit dem mitgelieferten Fernbedienungsgeber fernbedienen.



3

Farb-Fernsehtuner VTX-100ES + **Farbmonitor KX-20PS1** + **Lautsprechersystem, z.B. SS-X1A** + **Tuner-Timer, z.B. TT-F1E** **Nicht mit einem TV-Tuner ausgestatteter Videorecorder, z.B. SL-F1E**

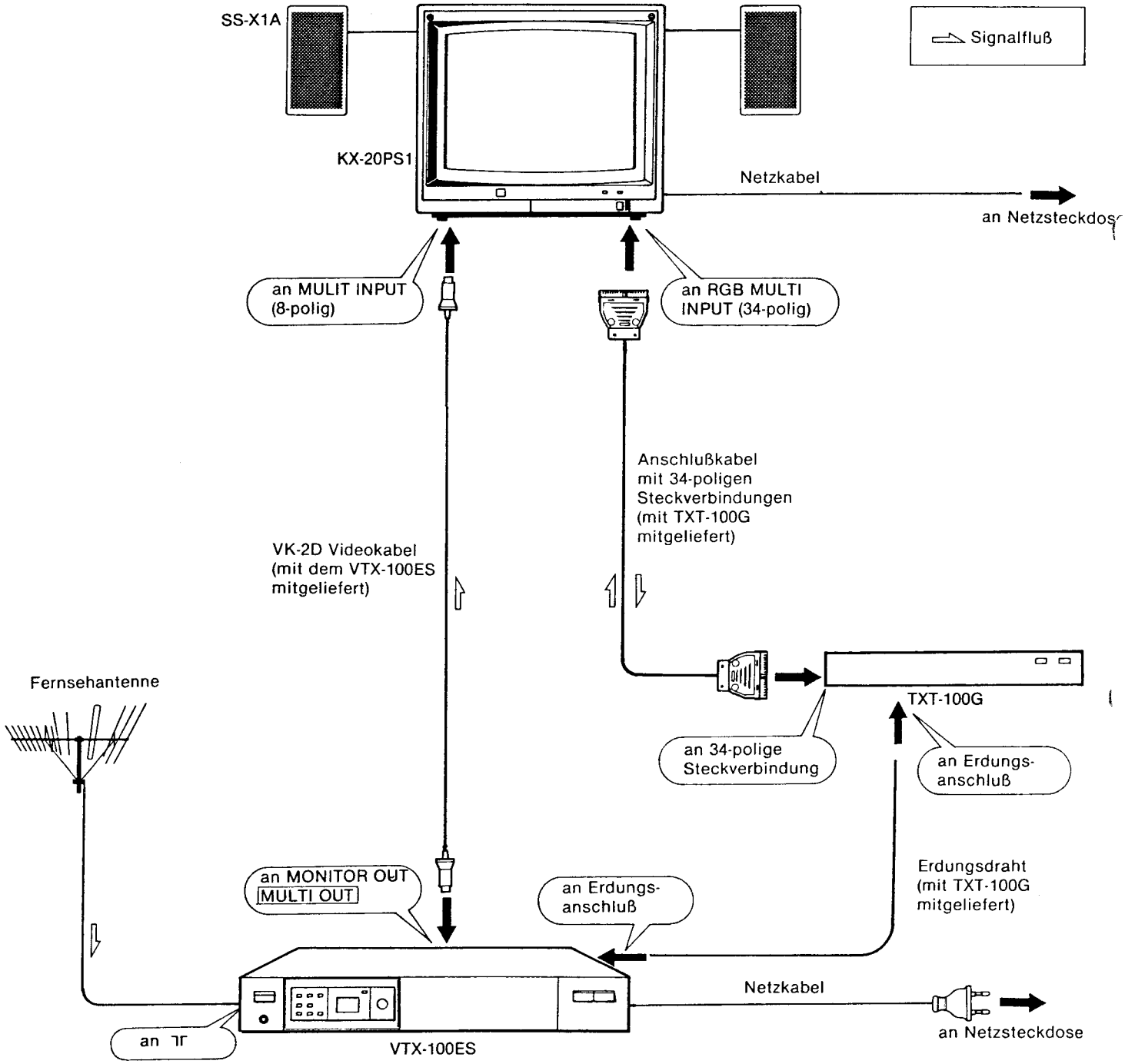
Ausgestrahlte Fernsehprogramme, aufgezeichnete Fernsehprogramme und mit einer Kamera aufgenommene Programme können am Farbmonitor betrachtet werden.
Sie können den VTX-100ES und den Farbmonitor mit dem mitgelieferten Fernbedienungsgeber fernbedienen.
Zusätzlich können Sie den VTX-100ES, Farbmonitor und Videorecorder mit dem Fernbedienungsgeber RM-612 (Sonderzubehör) mit diesem System fernsteuern.



4

Farb-Fernsehtuner VTX-100ES + **Farbmonitor KX-20PS1** + **Lautsprechersystem, z.B. SS-X1A** + **Teletexteinheit TXT-100G**

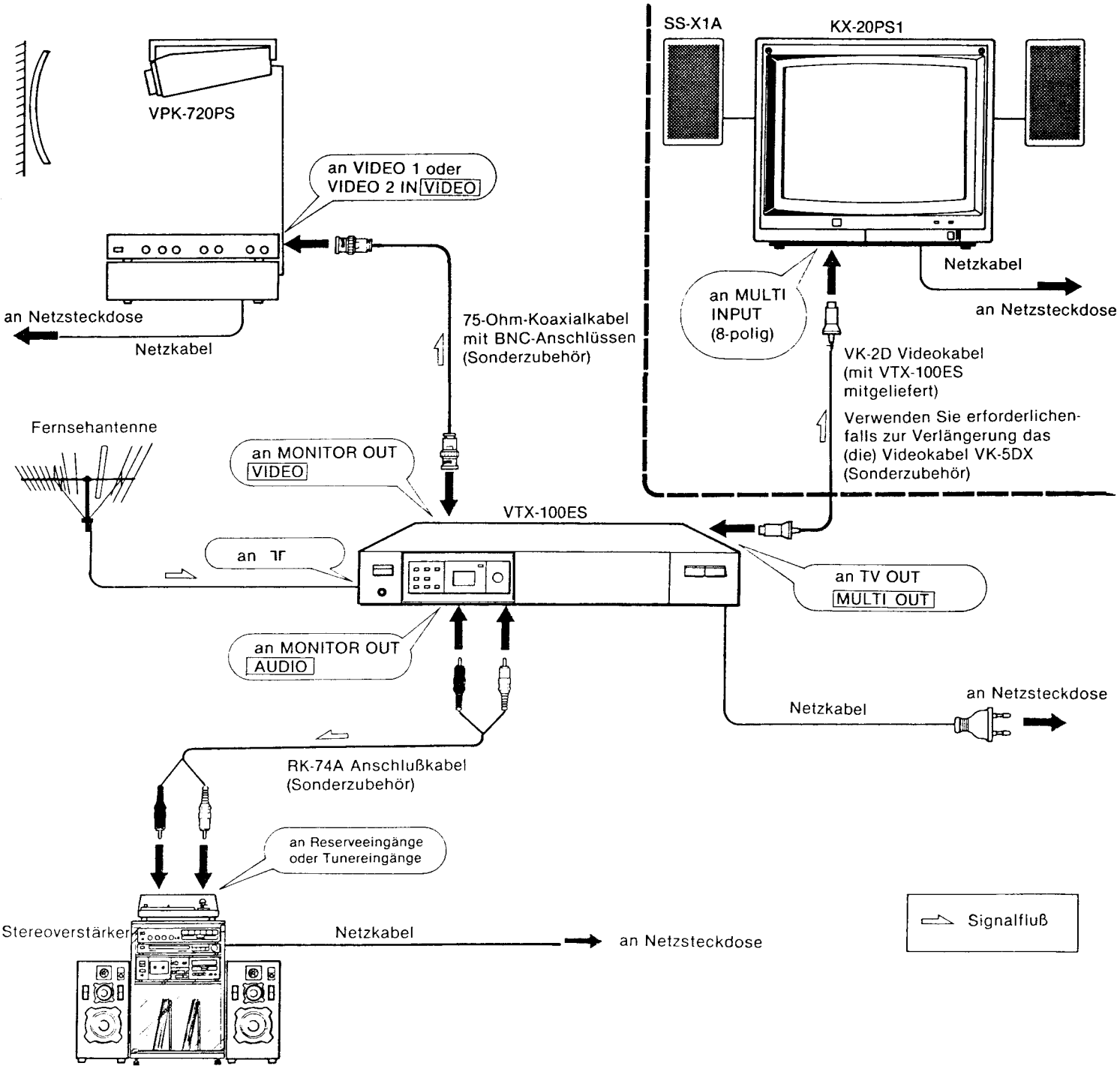
Fernsehprogramme und Teletext-Programme (Videotext) können am Farbmonitor betrachtet werden.
Sie können diese Geräte mit dem mitgelieferten Fernbedienungsgeber fernbedienen.



5

Farb-Fernsehtuner VTX-100ES + **Farb-Videoprojektionssystem, z.B. VPK-720PS** + **Stereoverstärker** + **Farbmonitor KX-20PS1 Lautsprechersystem, z.B. SS-X1A**

Fernsehprogramme können am großen Bildschirm betrachtet werden, während man den Ton über die Stereoanlage hören kann.
Durch Anschluß eines Farbmonitors können dieselben Programme in einem anderen Raum wiedergegeben werden.
Sie können den VTX-100ES und den Farbmonitor mit dem mitgelieferten Fernbedienungsgeber fernbedienen.



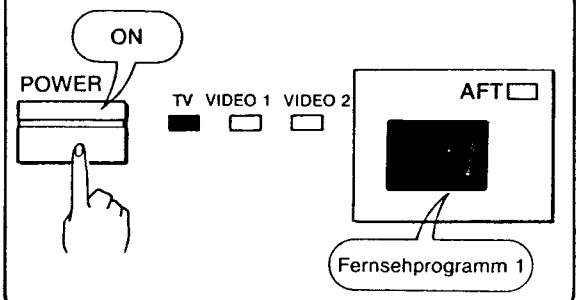
1-3. PROGRAMMIERUNG

Der Fernsehtuner kann 30 verschiedene Programme empfangen. Sind die Empfangsfrequenzen, auf denen in Ihrem Gebiet Fernsehstationen zu empfangen sind, erst einmal vorgewählt, kann die Programmwahl durch einfaches Drücken der PROGRAM-Tasten am Fernsehtuner bzw. mit Hilfe des Fernbedienungsgebers erfolgen.
Die Programmvorwahl kann entweder automatisch oder manuell durchgeführt werden.

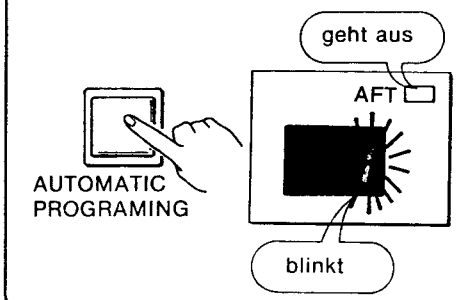
AUTOMATISCHE PROGRAMMVORWAHL

Mit der automatischen Programmvorwahl können die Frequenzen aller Fernsehsender, die in Ihrem Gebiet zu empfangen sind, automatisch abgespeichert werden. Diese Abspeicherung erfolgt in numerischer Reihenfolge, beginnend vom VHF-Kanal mit der niedrigsten Frequenz bis zum UHF-Kanal mit der höchsten Frequenz.

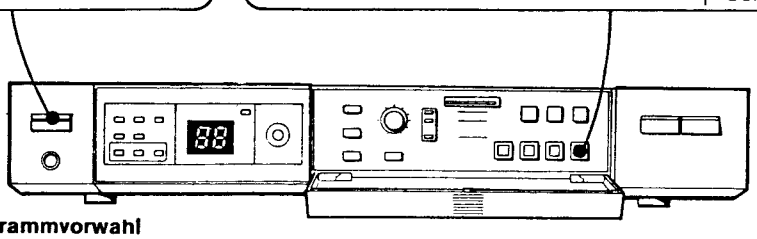
1 **Das Gerät einschalten.**



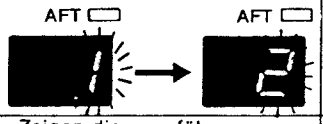
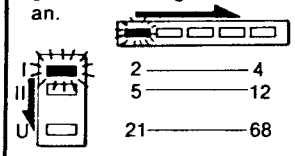
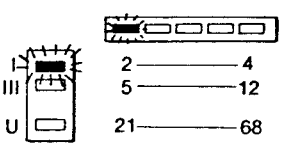
2 **Beginn der automatischen Programmvorwahl**



Dem zuerst gefundenen Sender wird die Programmnummer 1 zugeteilt, dem danach gefunden Sender die Nummer 2 usw. Dieser Suchlauf-Abspeichervorgang wird solange wiederholt, bis keine Fernsehstation mehr gefunden werden kann. Die automatische Programm vorwahl ist dann beendet und die restlichen Programmnummern werden übersprungen. Diese Nummern bleiben mit werkseitig vorprogrammierten Sendern belegt.

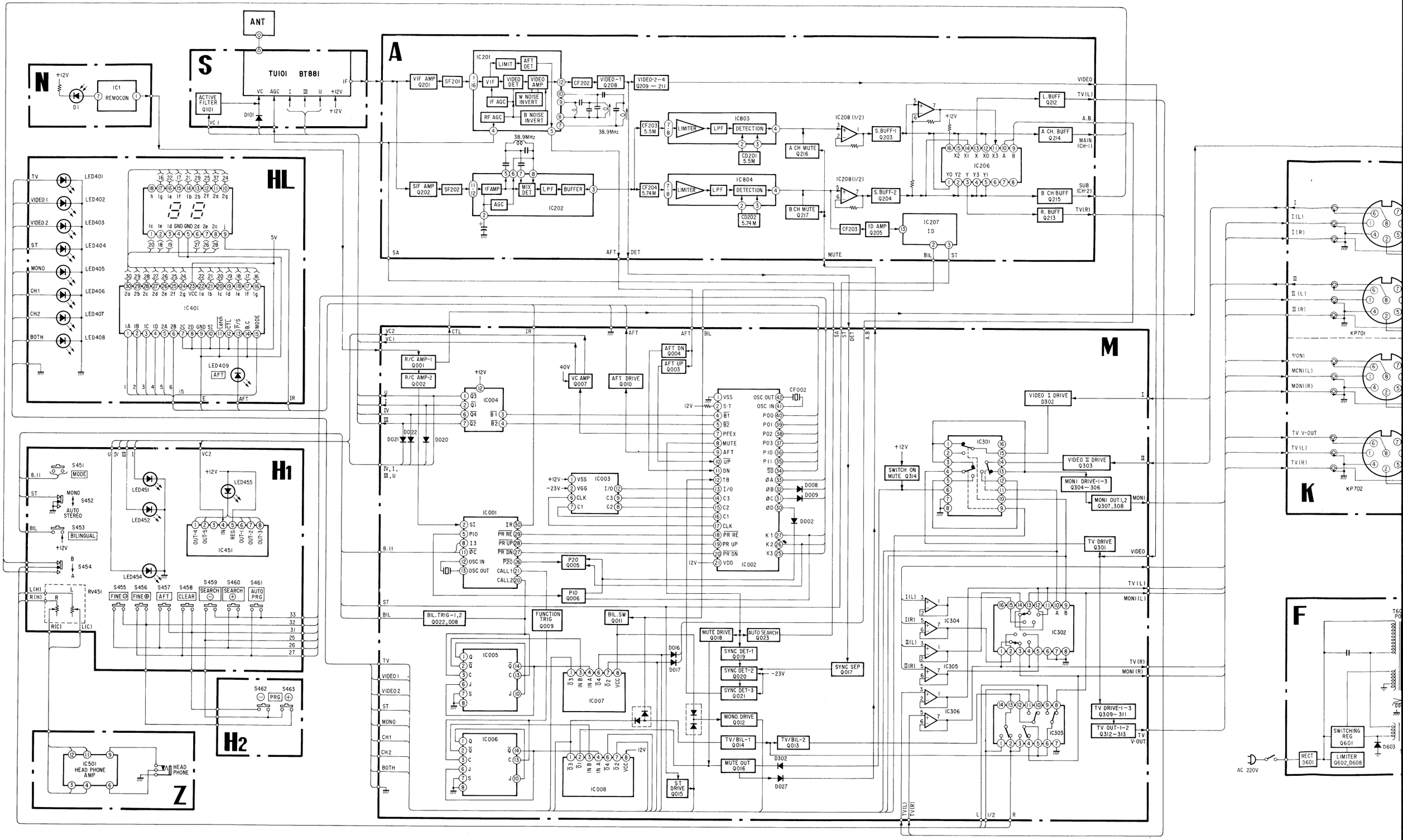


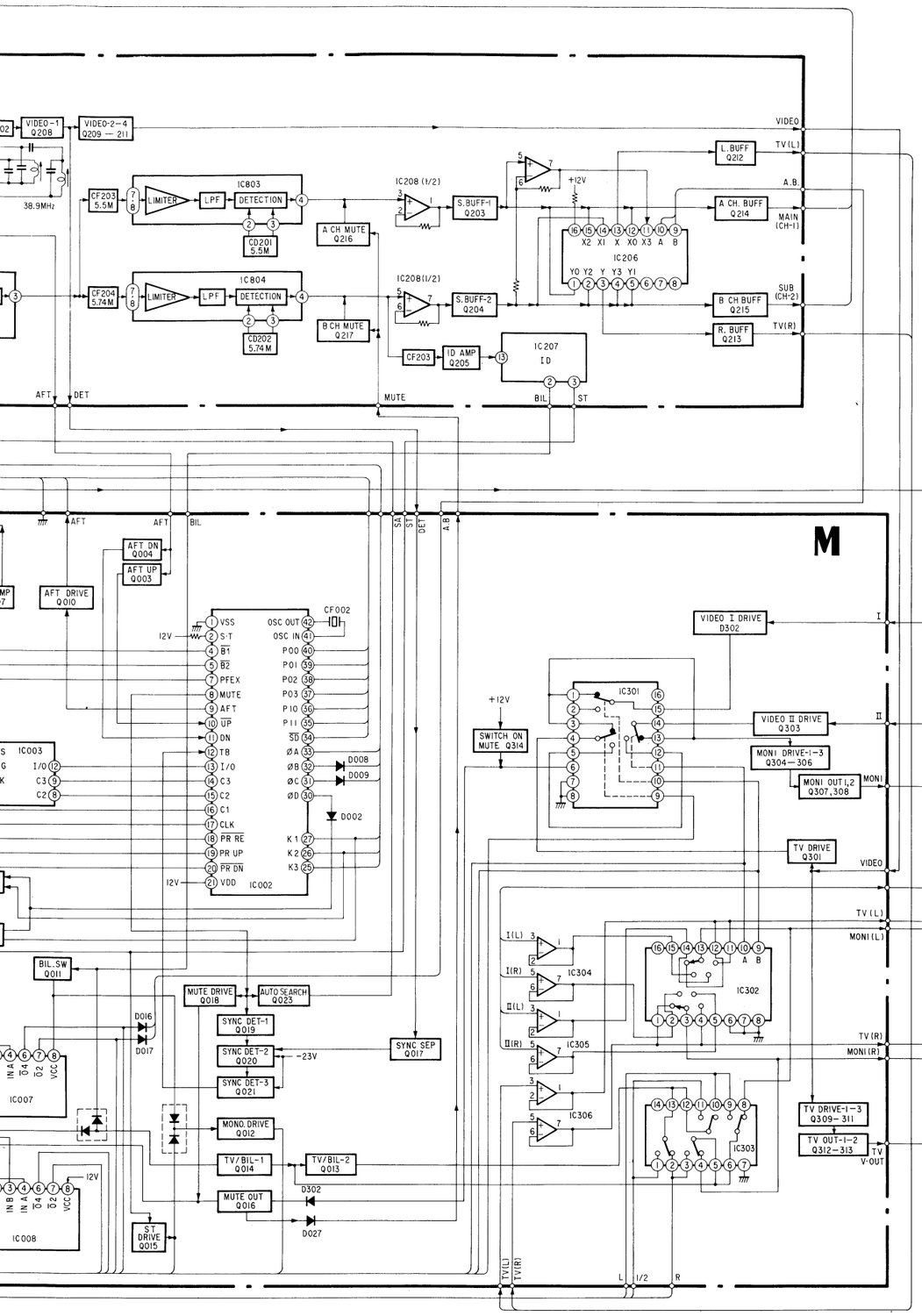
Leitfaden zur automatischen Programmvorwahl

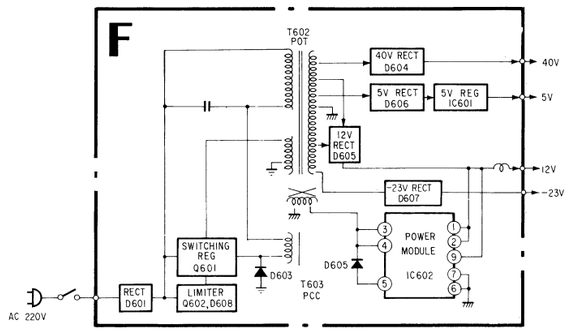
	Während der Programmvorwahl	Nach Beendigung der Programmvorwahl
Bild und/oder Ton	Kein Bild und kein Ton zwischen Fernsehstationen. Das Programm erscheint, wenn ein Sender abgestimmt und gespeichert ist.	Programm Nr. 1 erscheint.
Programmanzeige und AFT-Indikator	Es blinken jeweils nacheinander die Ziffern, denen gerade die Frequenz einer Fernsehstation zugeteilt wird. Der AFT-Indikator leuchtet nicht. 	Die Ziffer „1" erscheint (blinkt nicht). Der AFT-Indikator leuchtet auf.
Abstimmanzeige und Frequenzband-Indikatoren	Zeigen die ungefähre Frequenz der eben gesuchten Programmnummer an. 	Zeigen die ungefähre Frequenz der Programmnummer an. 

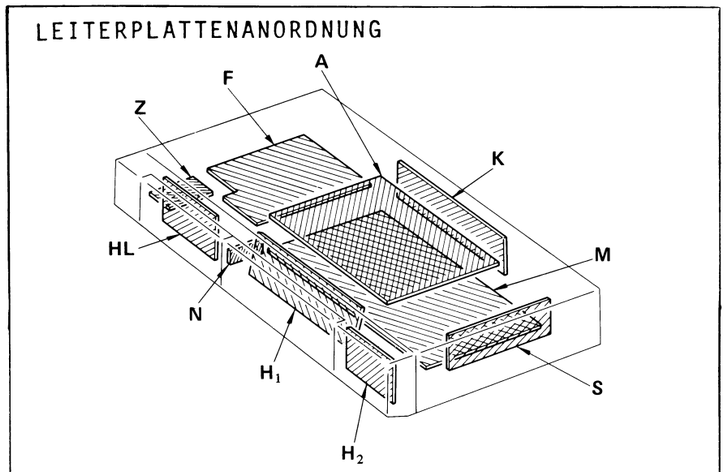
Wählen Sie nach Beendigung der Programmvorwahl einen Sender mit den PROGRAM-Tasten, um die Ergebnisse der automatischen Programmvorwahl anhand einer Fernsehsenderliste zu überprüfen.

4-1. BLOCKSCHALTBILD




VIDEO-1 Q208
VIDEO-2-4 Q209 – 211
38.9MHz
CF203 5.5M
CF204 5.74M
IC803
IC804
LIMITER
LPF
DETECTION
CD201 5.5M
CD202 5.74M
A CH MUTE Q216
B CH MUTE Q217
IC208 (1/2)
S.BUFF-1 Q203
S.BUFF-2 Q204
+12V
IC206
X2 X1 X X0 X3 A B
Y0 Y2 Y Y3 Y1
L. BUFF Q212
A CH. BUFF Q214
B CH BUFF Q215
R. BUFF Q213
VIDEO
TV(L)
A.B
MAIN (CH-1)
SUB (CH-2)
TV(R)
CF203
ID AMP Q205
IC207 ID
AFT
DET
MUTE
BIL
ST
SA
AFT DN Q004
AFT UP Q003
AFT DRIVE Q010
CF002
OSC OUT
OSC IN
VSS
S·T
B1
B2
PFEX
MUTE
AFT
UP
DN
TB
I/O
C3
C2
C1
CLK
PR RE
PR UP
PR DN
VDD
IC002
P00
P01
P02
P03
P10
P11
SD
ØA
ØB
ØC
ØD
K1
K2
K3
D008
D009
D002
IC003
BIL.SW Q011
MUTE DRIVE Q018
AUTO SEARCH Q023
SYNC DET-1 Q019
SYNC DET-2 Q020
SYNC DET-3 Q021
SYNC SEP Q017
D016
D017
-23V
IC007
MONO. DRIVE Q012
TV/BIL-1 Q014
TV/BIL-2 Q013
MUTE OUT Q016
D302
D027
IC008
S.T DRIVE Q015
M
VIDEO I DRIVE D302
SWITCH ON MUTE Q314
IC301
VIDEO II DRIVE Q303
MONI DRIVE-1-3 Q304–306
MONI OUT 1,2 Q307,308
TV DRIVE Q301
IC304
IC305
IC306
IC302
IC303
TV DRIVE-1-3 Q309–311
TV OUT-1-2 Q312–313
TV V-OUT
MONI
MONI(L)
MONI(R)
TV(L)
TV(R)
L
I/2
R
CTL
I
I(L)
I(R)
II
II(L)
II(R)
KP701
VIDEO 1 IN
VIDEO 2 IN
MONITOR OUT
TV OUT
K
KP702

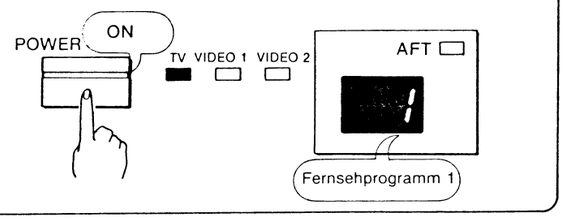

F
T602 POT
40V RECT D604
5V RECT D606
5V REG IC601
12V RECT D605
-23V RECT D607
40V
5V
12V
-23V
SWITCHING REG Q601
LIMITER Q602, D608
RECT D601
D603
D605
T603 PCC
IC602
POWER MODULE
AC 220V

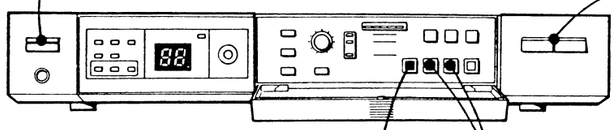

LEITERPLATTENANORDNUNG
A
F
Z
K
HL
M
N
H1
S
H2

MANUELLE PROGRAMMVORWAHL

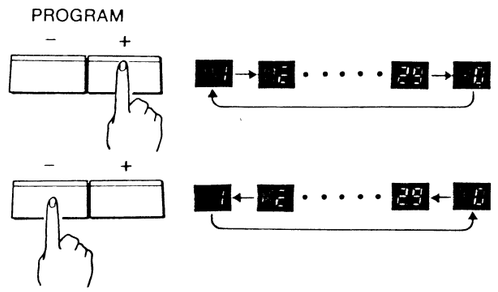
Mit der manuellen Programmvorwahl können die Frequenzen der gewünschten Fernsehstationen in beliebiger Reihenfolge abgespeichert werden.
Die Frequenzen können den Programmnummern beliebig zugeteilt werden, angefangen von unter Kanal 2 bis zum höchsten UHF-Kanal. Entnehmen Sie die Frequenzen, auf denen Sender in Ihrem Gebiet ausstrahlen, einer Fernsehsender-Frequenzliste.
Stellen Sie eine Liste der gewünschten VHF- und UHF-Kanäle auf, und ordnen Sie sie in der gewünschten Reihenfolge.

1 **Schalten Sie das Gerät ein.**





2 **Wählen Sie die Programmnummer, der der Kanal zuzuordnen ist.**



Lassen Sie dabei die Taste nicht gedrückt, sondern tippen Sie sie nur kurz an.

3 **Stellen Sie den gewünschten Sender ein.**

Für höhere Kanäle

Für niedrigere Kanäle

Lassen Sie die Taste nicht gedrückt, sondern tippen Sie sie nur kurz an. Nehmen sie bei der Abstimmung die Abstimmanzeige und die Frequenzband-Indikatoren zu Hilfe.

Während Suche eines Senders
erscheint kein Bild,
blinkt die Programmnummer,
geht der AFT-Indikator aus.

Wenn ein Sender abgestimmt ist,
erscheint ein Bild,
hört die Programmnummer zu blinken auf,
leuchtet der AFT-Indikator auf.

Wenn der Suchlauf zwischen den Kanälen unterbrochen wird,
drücken Sie einfach die CHANNEL SEARCH-Taste erneut.
Dies kann in Gebieten mit hoher Signalstärke vorkommen.

Wiederholen Sie Schritt **2** und **3** solange, bis Sie alle gewünschten Fernsehstationen abgespeichert haben.

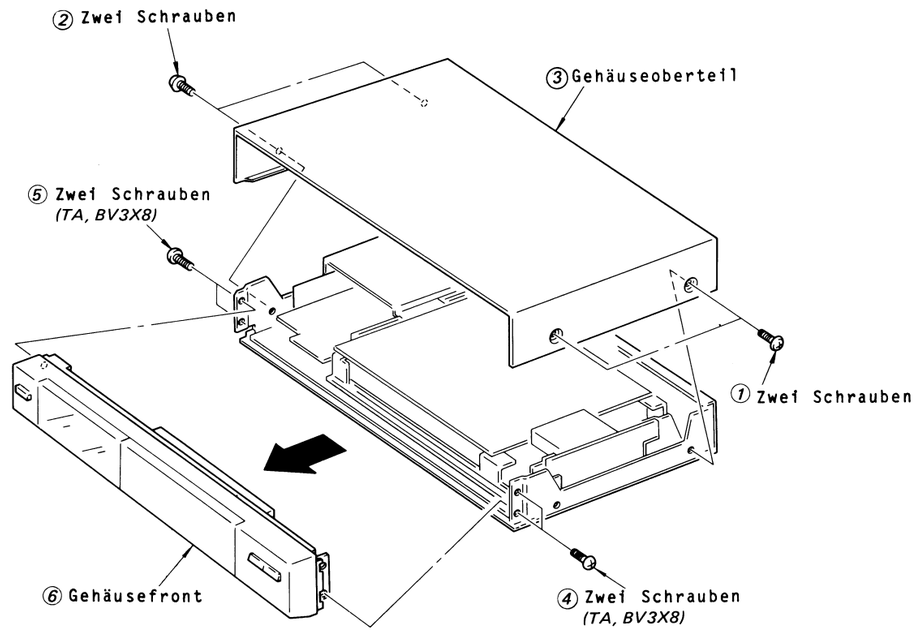
Gebrauch der RESET-Taste
Durch Drücken dieser Taste wird der Speicherinhalt der gewählten Programmnummer gelöscht und das Gerät automatisch auf eine unter Kanal 2 liegende Frequenz abgestimmt. Zur Abstimmung auf die gewünschte Fernsehstation (oben, Schritt **3**) kann wahlweise auch die RESET-Taste verwendet werden. Drücken Sie dazu zunächst die RESET-Taste und dann die CHANNEL SEARCH-Taste. Durch erstes Drücken der [+]-Taste wird auf den niedrigsten VHF-Kanal und durch erstes Drücken der [–]-Taste auf den höchsten UHF-Kanal abgestimmt.
● Wir empfehlen, daß Sie für nicht belegte Programmnummern, falls vorhanden, die RESET-Taste drücken.

TEIL 2

ZERLEGEN

● Beim Zerlegen des Geräts die angegebene Reihenfolge einhalten.

2-1. AUSBAU DER GEHÄUSETEILE



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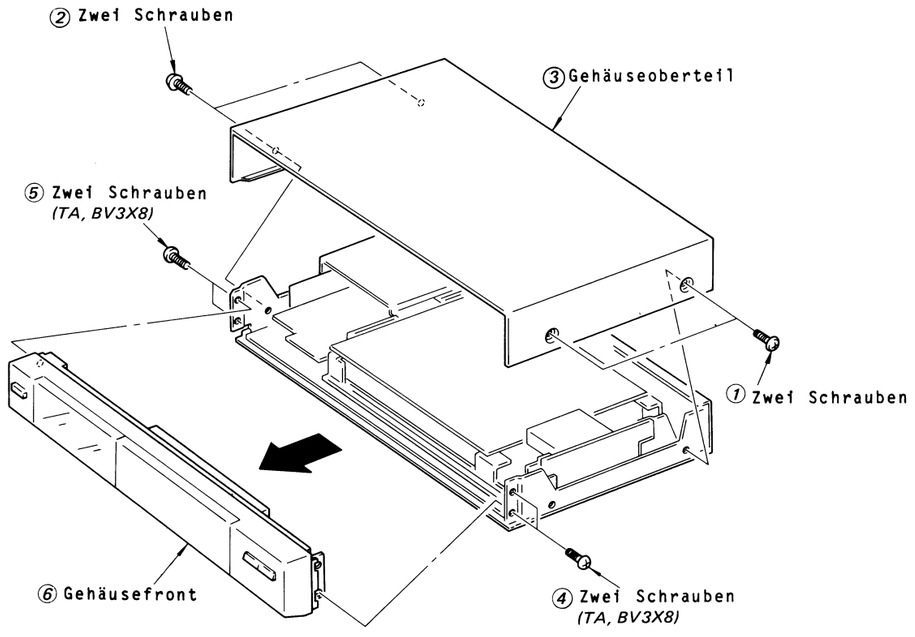
TEIL 2
ZERLEGEN

• Beim Zerlegen des Geräts die angegebene Reihenfolge einhalten.

2-1. AUSBAU DER GEHÄUSETEILE



TEIL 3
ABGLEICH

3-1. PLATINE A

TUNER-AGC

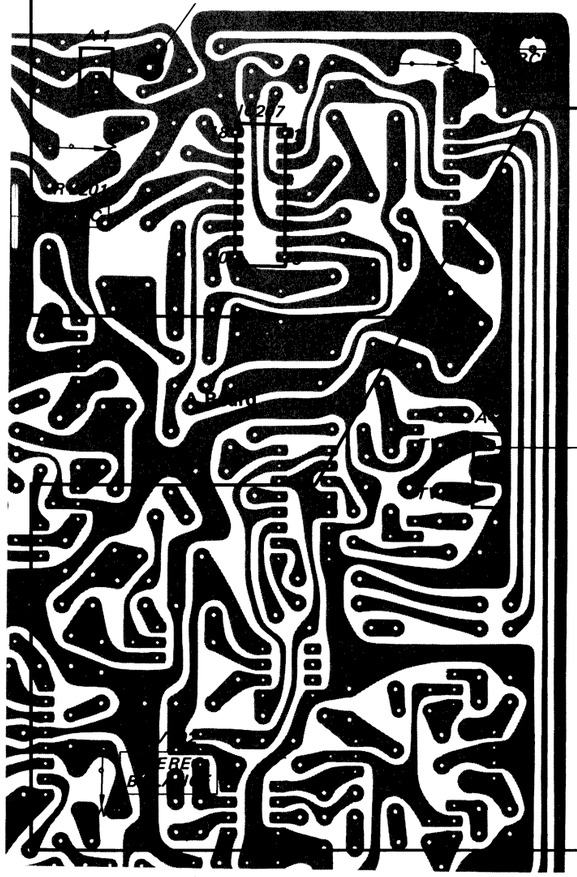
1. VHF-Kanal 12 empfangen.
2. RV201 auf eine AGC-Spannung von 7,2 V ± 0,2 V einstellen.

ODER

1. Sendersignal empfangen.
2. RV201 so einstellen, daß Rauschen und Kreuzmodulation beseitigt werden.

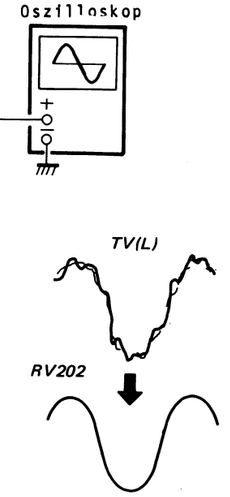
SENDERSUCHLAUF-AGC

1. Kein Signal eingeben.
2. Taste AUTOMATIC PROGRAMMING drücken.
3. RV203 auf eine AGC-Spannung von 5 V ± 0,2 V einstellen.
   (Diese Einstellung bei blinkender Programmnummer vornehmen.)



ÜBERSPRECHDÄMPFUNG

1. Stereosignal empfangen.
2. Taste AUTO STEREO/MONO drücken.
3. Kurvenform des linken Kanals an Anschluß A-3 überprüfen.
4. RV202 auf geringstes Übersprechen vom rechten auf den linken Kanal einstellen.

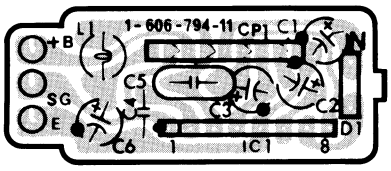


4-2. BESTÜCKUNGSPLÄNE
"Lötseite"

A B C

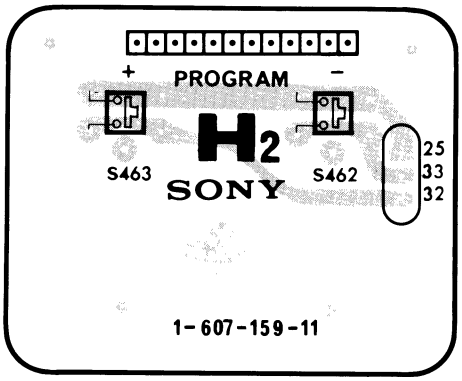
1

Platine N



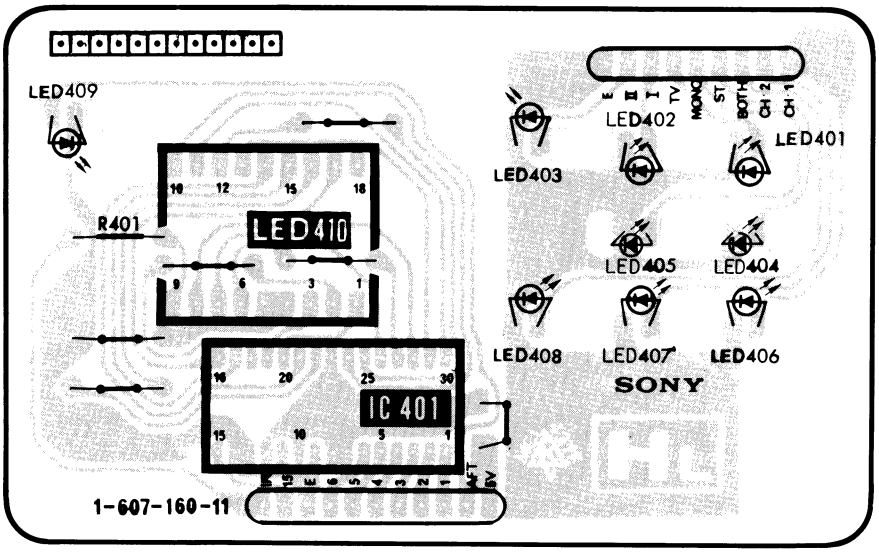
2

Platine H2



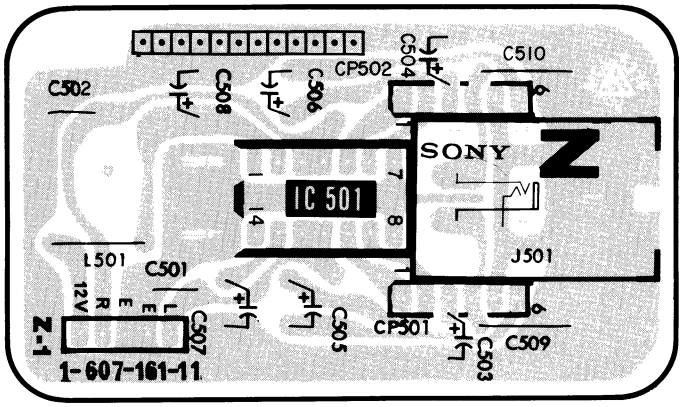
3

Platine HL

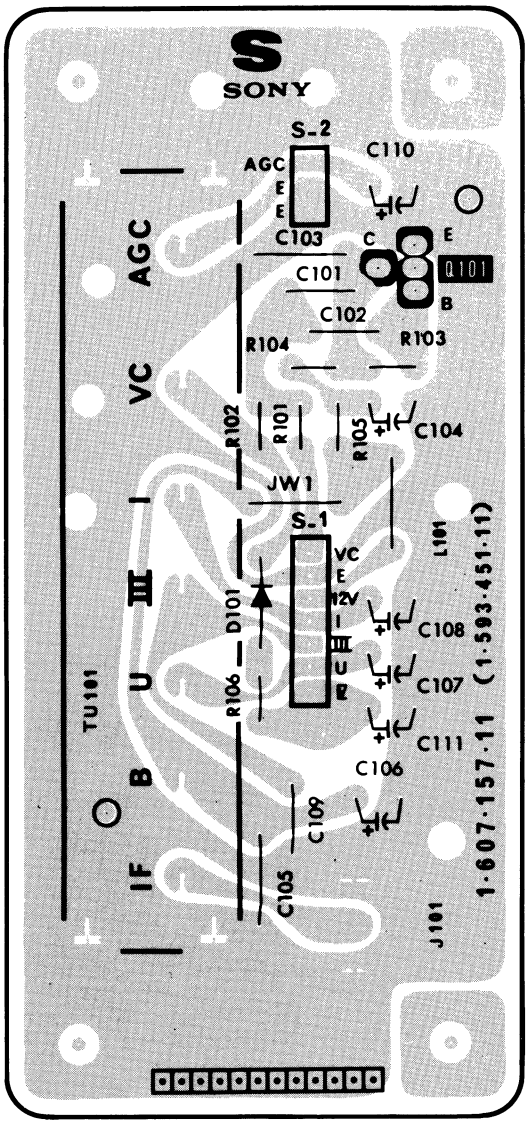


4

Platine Z



Platine S



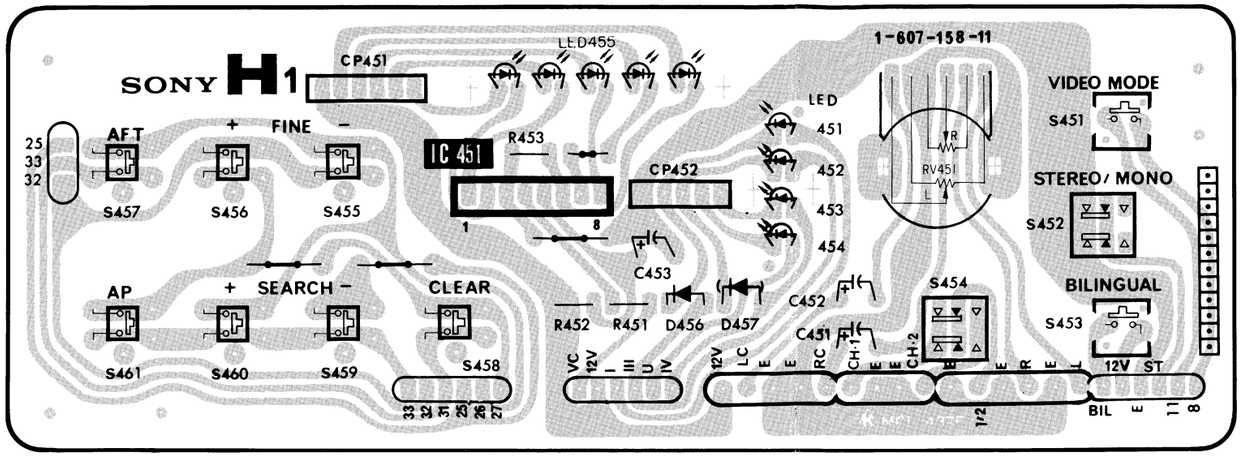
REGLERTASTEN, BANDUMSCHALTUNG, ABSTIMMANZEIGE, PROGRAMMWAHL **H1** **H1**

VIDEO IN, TV OUT, MONITOR OUT **K** **K**

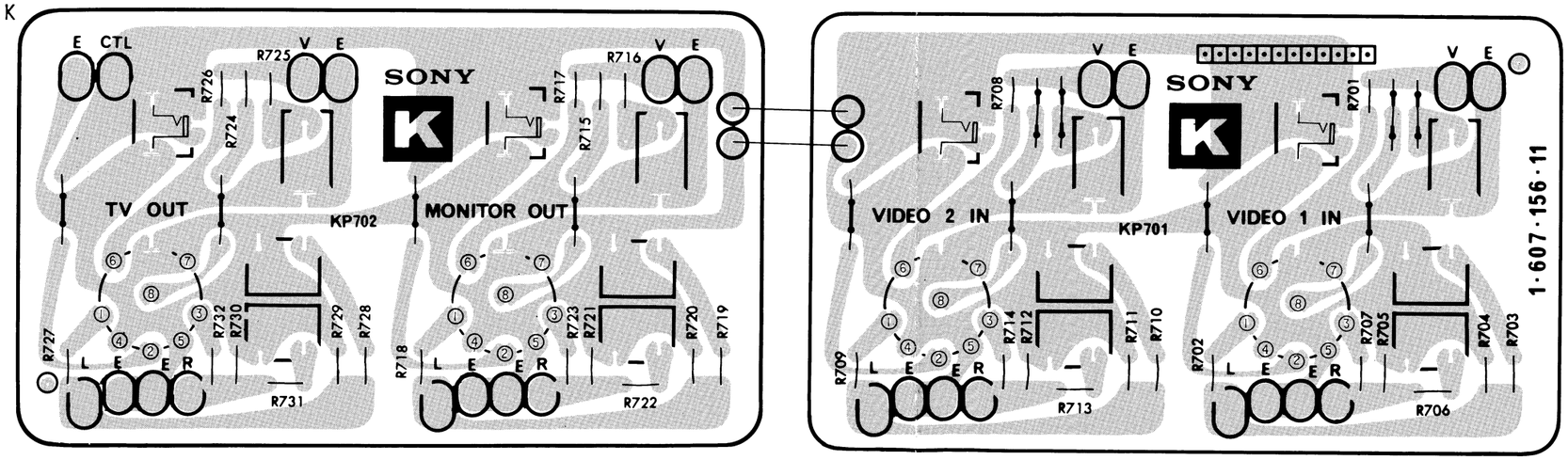
A B C D E F G

1 2 3 4 5

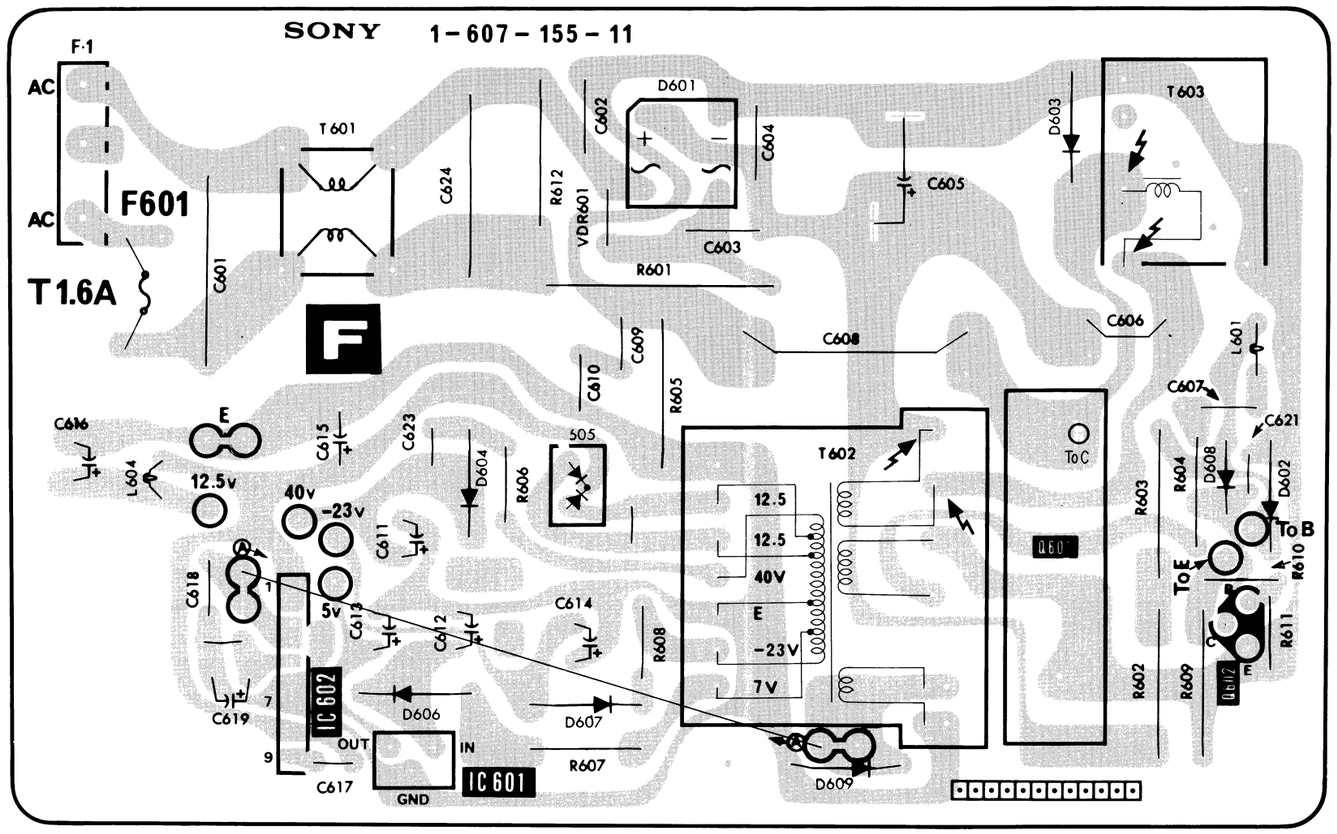
Platine H1



Platine K



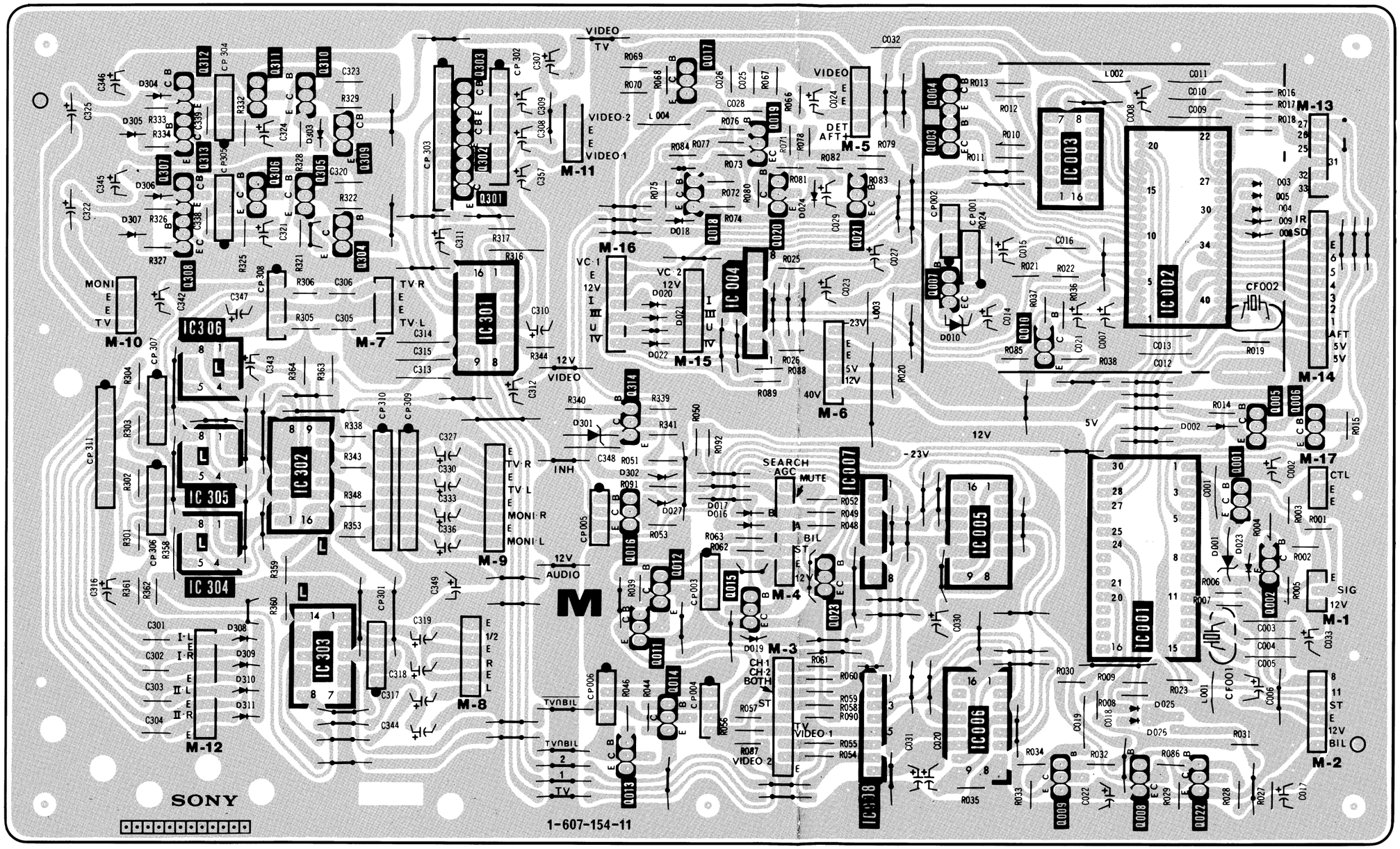
Platine F


SONY 1-607-155-11
F-1
AC
AC
F601
T1.6A
T601
C601
C624
R612
VDR601
C602
D601
C604
C603
R601
C605
D603
T603
C606
C608
C609
C610
R605
L601
C607
C621
D602
To B
R610
R611
R603
R604
D608
To E
To C
Q601
Q602
R609
R602
C616
L604
E
12.5v
40v
-23v
5v
C615
C623
D604
R606
505
C611
C618
C613
C612
C614
R608
C619
IC 602
D606
D607
OUT
IN
GND
IC 601
C617
R607
T602
12.5
12.5
40V
E
-23V
7V
D609
F

MONITOR- UND FERNSEHERANTRIEB, SPEICHER, SYNCHRONISIERUNG, FUNKTIONSTASTEN, ZWEITON, BANDUMSCHALTUNG, SCHUTZVORRICHTUNG, NF-ENDSTUFE

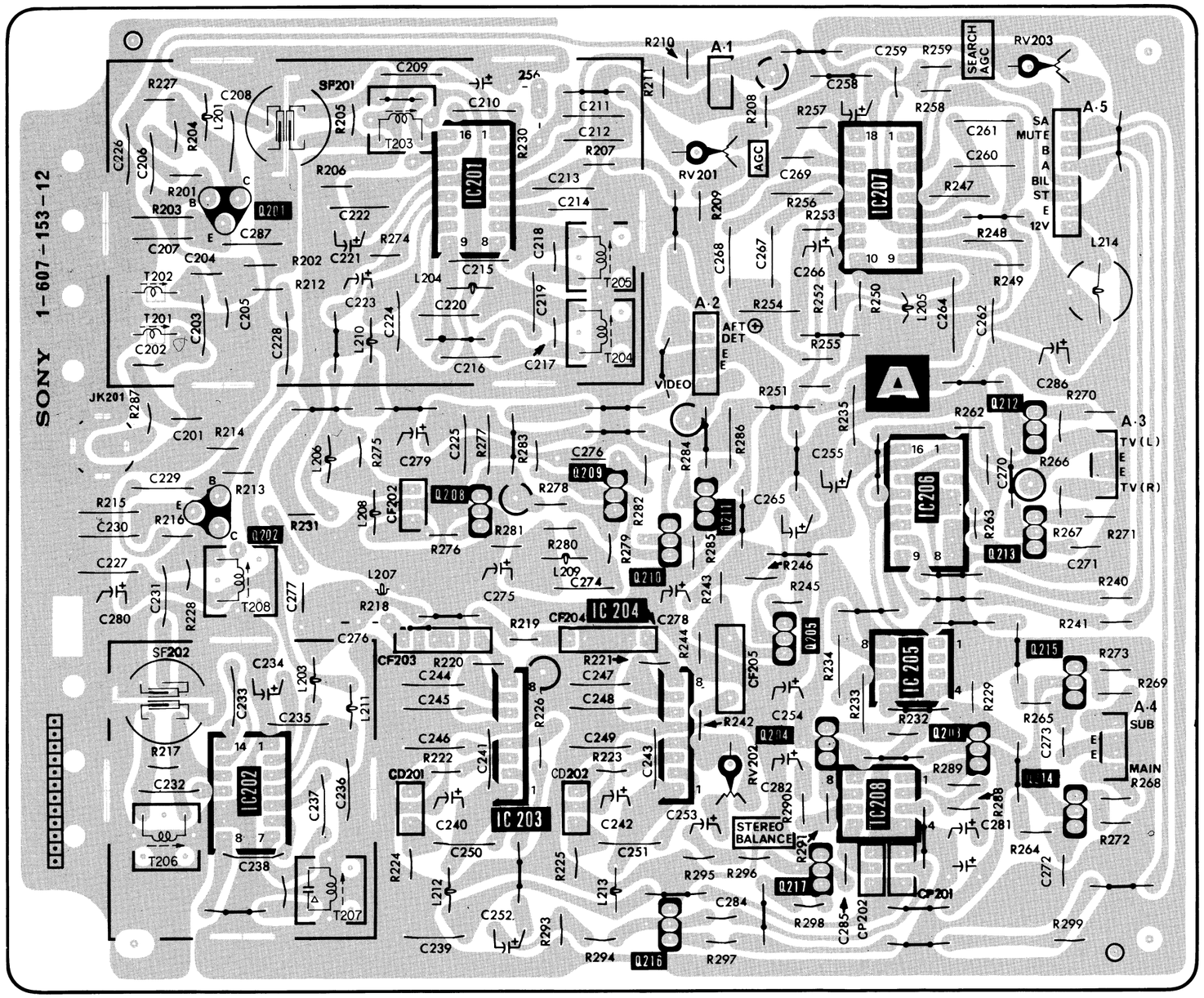
M **M**

Platine M



Q, IC	D
017	
004	
312 303	
311 003	
310 302	
313	
309 019	
IC003	
018 021	
307 020	306
306	024
305	018 009
308 IC002	307 008
304	
IC004	020
007	021
IC301	010
010	022
IC306	
314	002
005	
006	301
IC305	
IC302	302
001	027
016	017
IC005	016
IC304	
IC007	001
IC001	023
002	
023	
012	
015	
011	
	019
	308
IC303	309
	310
014	311
IC006	
IC008	
009	
008	
022	
013	
Q, IC	D

Platine A

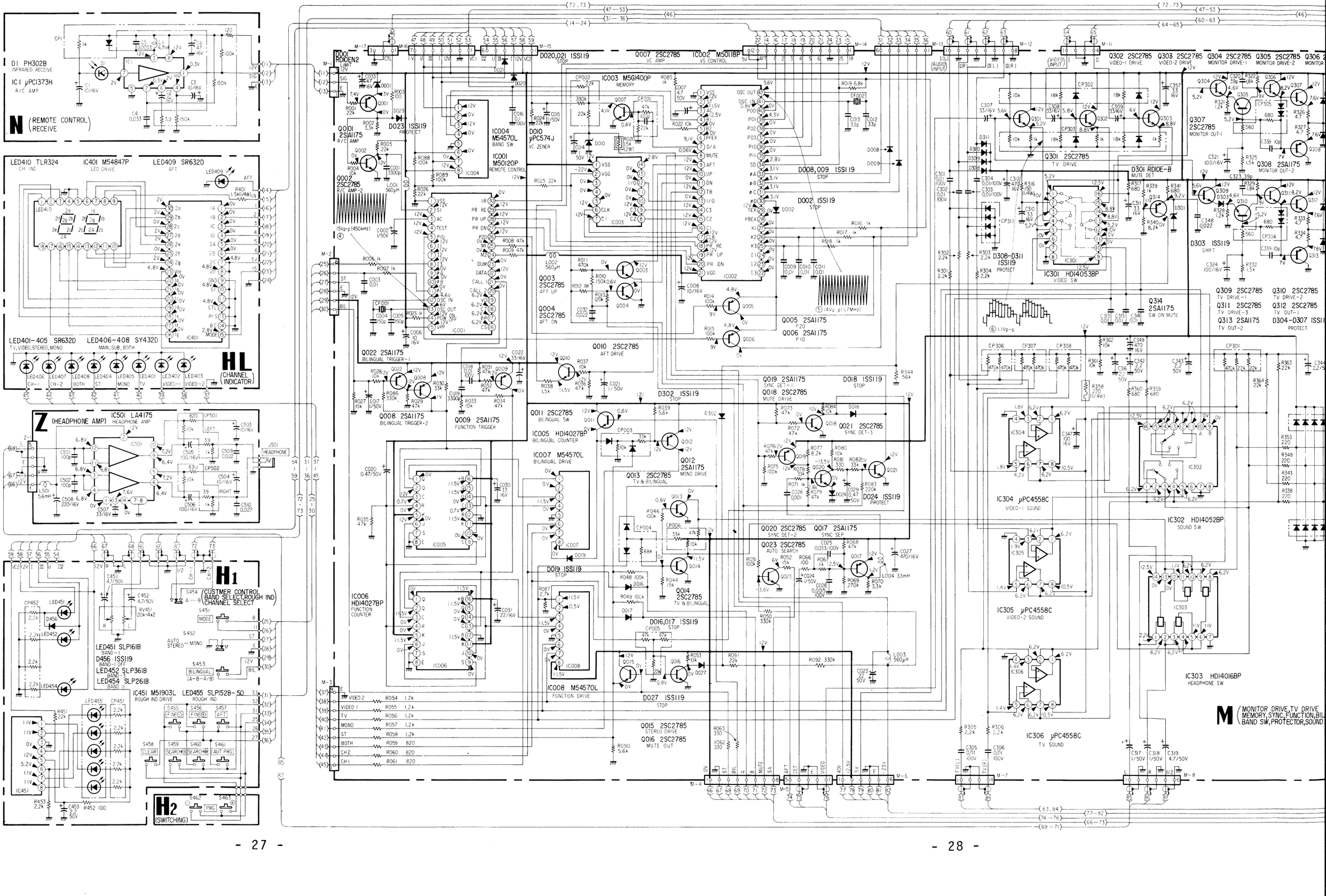


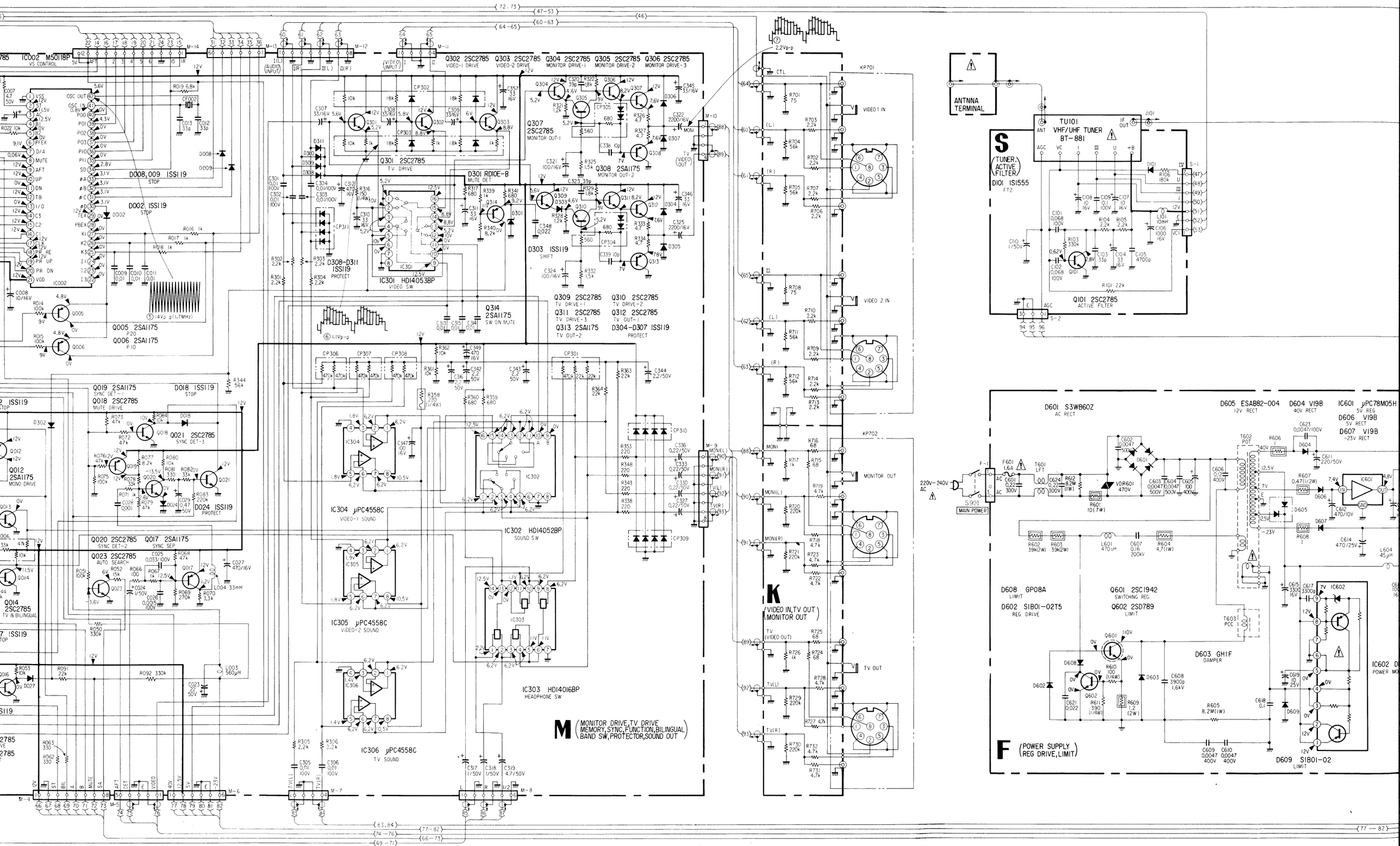
Q, IC	ADJ
	RV203
	RV201
IC201 IC207 201	
212	
IC206 202,209 208,211 213	
205	
IC205 215	
IC203 IC204 203	
IC202 IC208 214	RV202
217	
216	
Q, IC	ADJ

Die grau unterlegten und mit dem Zeichen ⚠ versehenen Bauteile sind für die Betriebssicherheit wichtig. Nur durch Originalteile mit der entsprechenden ET-Nummer ersetzen.

* Alle Kondensatoren sind in µF, wenn nicht anders angegeben. Betriebsspannungen unter 50 V sind außer für Elektrolytkondensatoren nicht eingetragen.
* Alle Widerstände sind in Ohm und 1/8 W, wenn nicht anders angegeben.
* : Schwerentflammbarer Widerstand.
* △ : Interne Komponente.
* ▭ : Frontplattenbeschriftung.
* Für alle Potentiometer gilt die Kennlinie B, wenn nicht anders angegeben.
* Spannungen sind Gleichspannungen und auf Masse bezogen, wenn nicht anders angegeben.
* Die Messungen werden mit einem Voltmeter (20 kΩ/V) vorgenommen.
* Die Spannungsmessungen werden mit VHF-Kanal 3 vorgenommen.
* ▭ : Reparaturabgleich.
* Die Messungen werden mit einem Farbbalkentestbild vorgenommen.
* Die Spannungen tolerieren im üblichen Rahmen der Bauteiletoleranzen.

4-3. SCHALTBILD




IC002 M50118P
VS CONTROL
Q302 2SC2785 VIDEO-1 DRIVE
Q303 2SC2785 VIDEO-2 DRIVE
Q304 2SC2785 MONITOR DRIVE-1
Q305 2SC2785 MONITOR DRIVE-2
Q306 2SC2785 MONITOR DRIVE-3
Q307 2SC2785 MONITOR OUT-1
Q308 2SA1175 MONITOR OUT-2
Q301 2SC2785 TV DRIVE
D301 RD10E-B MUTE DET
D303 IS5119 SHIFT
IC301 HD14053BP VIDEO SW
Q309 2SC2785 TV DRIVE-1
Q310 2SC2785 TV DRIVE-2
Q311 2SC2785 TV DRIVE-3
Q312 2SC2785 TV OUT-1
Q313 2SA1175 TV OUT-2
D304-D307 IS5119 PROTECT
Q314 2SA1175 SW ON MUTE
D308-D311 IS5119 PROTECT
D008,009 IS5119 STOP
D002 IS5119 STOP
Q005 2SA1175 P20
Q006 2SA1175 P10
Q019 2SA1175 SYNC DET-1
Q018 2SC2785 MUTE DRIVE
Q021 2SC2785 SYNC DET-3
D018 IS5119 STOP
D024 IS5119 PROTECT
Q020 2SC2785 SYNC DET-2
Q017 2SA1175 SYNC SEP
Q023 2SC2785 AUTO SEARCH
L004 33mH
Q012 2SA1175 MONO DRIVE
Q014 2SC2785 TV & BILINGUAL
L003 560μH
IC304 μPC4558C VIDEO-1 SOUND
IC305 μPC4558C VIDEO-2 SOUND
IC306 μPC4558C TV SOUND
IC302 HD14052BP SOUND SW
IC303 HD14016BP HEADPHONE SW
M (MONITOR DRIVE,TV DRIVE MEMORY,SYNC,FUNCTION,BILINGUAL BAND SW,PROTECTOR,SOUND OUT)
KP701
KP702
K (VIDEO IN,TV OUT MONITOR OUT)
VIDEO 1 IN
VIDEO 2 IN
MONITOR OUT
TV OUT
ANTNNA TERMINAL
TU101 VHF/UHF TUNER BT-881
S (TUNER, ACTIVE FILTER)
D101 IS1555 FTZ
Q101 2SC2785 ACTIVE FILTER
D601 S3WB60Z AC RECT
D605 ESAB82-004 12V RECT
D604 V19B 40V RECT
IC601 μPC78M05H 5V REG
D606 V19B 5V RECT
D607 V19B -23V RECT
220V-240V AC
S901 MAIN POWER
D608 GP08A LIMIT
D602 S1B01-02T5 REG DRIVE
Q601 2SC1942 SWITCHING REG
Q602 2SD789 LIMIT
T603 PCC
D603 GH1F DAMPER
IC602
D609 S1B01-02 LIMIT
F (POWER SUPPLY REG DRIVE,LIMIT)

KP701

VIDEO 1 IN

VIDEO 2 IN

KP702

MONITOR OUT

TV OUT

ANTNNA TERMINAL

S (TUNER, ACTIVE FILTER)

TU101 VHF/UHF TUNER BT-881

D101 ISI555 FTZ

Q101 2SC2785 ACTIVE FILTER

A (VIF AMP, VIF, V OUT, AFT, DET, SIF, AF AMP, S BUFFER, ID, STEREO MATRIX, ID AMP)

Q201 2SCII28 VIF AMP

IC201 TA7607AP VIF

Q202 2SCII28 SOUND VIF AMP

SF201 SAWF

SF202 SAWF 38,9MHz

IC208 μPC4558C AF AMP

IC206 HDI4052BP SW

Q212 2SC2785 LEFT BUFFER

Q213 2SC2785 RIGHT BUFFER

Q214 2SC2785 ACH BUFFER

Q215 2SC2785 BCH BUFFER

Q208 2SAII75 1ST VIDEO

Q209 2SC2785 2ND VIDEO

Q210 2SAII75 3RD VIDEO

Q211 2SAII75 4TH VIDEO

IC202 TDA2840 SOUND VIF

Q203 2SC2785 1ST SOUND BUFFER

Q204 2SC2785 2ND SOUND BUFFER

IC207 TDA2795 ID

Q205 2SC2785 ID AMP

IC203 μPCI39IH 1ST SIF

IC204 μPCI39IH 2ND SIF

Q216 2SC2785 ACH MUTE

Q217 2SC2785 BCH MUTE

IC205 μPC4558C STEREO MATRIX

D601 S3WB60Z AC RECT

D605 ESAB82-004 12V RECT

D604 VI9B 40V RECT

IC601 μPC78M05H 5V REG

D606 VI9B 5V RECT

D607 VI9B -23V RECT

D608 GP08A LIMIT

D602 SIB01-02T5 REG DRIVE

Q601 2SCI942 SWITCHING REG

Q602 2SD789 LIMIT

D603 GHIF DAMPER

IC602 DMI4 POWER MODULE

D609 SIB01-02 LIMIT

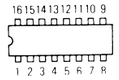
F (POWER SUPPLY, REG DRIVE, LIMIT)

SPANNUNGS VERSORGUNG

LOGIK AUFBEREITUNG

LOGIK AUFBEREITUNG

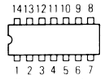
HD14027BP
HD14052BP
HD14053BP
TA7607AP
TC4027BP



Oberseite

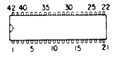
M51903L

LA4175
M5G1400P
TC4016BP



Oberseite

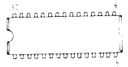
M50118P



Oberseite

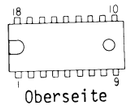
M54570L

M50120P
M54847P



Oberseite

TDA2795

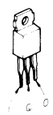


Oberseite

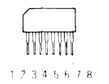
TDA2840

Oberseite

µPC78M05H



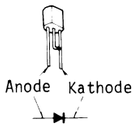
µPC1373H
µPC1391H



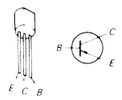
µPC4558C

Oberseite

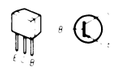
µPC574J



2SA733



2SA1175
2SA1175F



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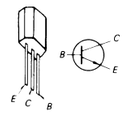
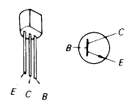
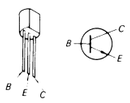
2SC634SP



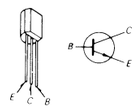
2SC945
2SC1475
2SD788



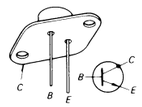
2SC1128
2SC2009



2SC1363
2SC1364



2SC1942-16L



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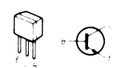
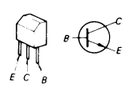
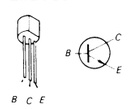


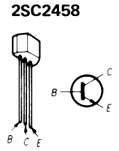
2SD774



2SD789



2SC2458



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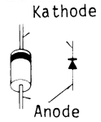
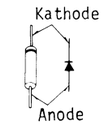
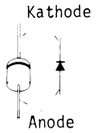
1N4148H
1SS133
GP08A
US1035



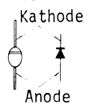
10E2
1SS148
1SS1555
1SS2076
1SS2473
RD10E-B
RD10E-N2



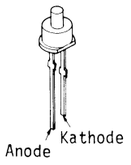
1SS119



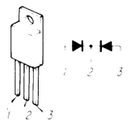
GH1F
GH3F
U05G
V19B
V19E



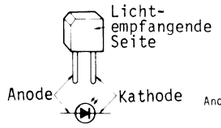
GL2AR1



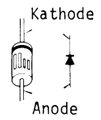
ESAB82-004



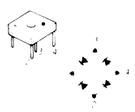
PH302B



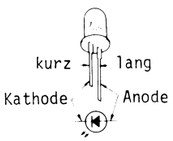
SIB01-02
SIB01-02TS



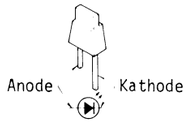
S3WB60Z
S3WB60ZS



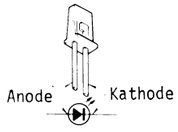
SE303AX



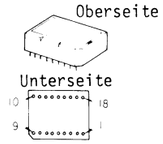
SLP161B
SLP261B
SLP361B



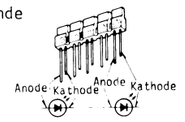
SR632D
SY432D



TLR324

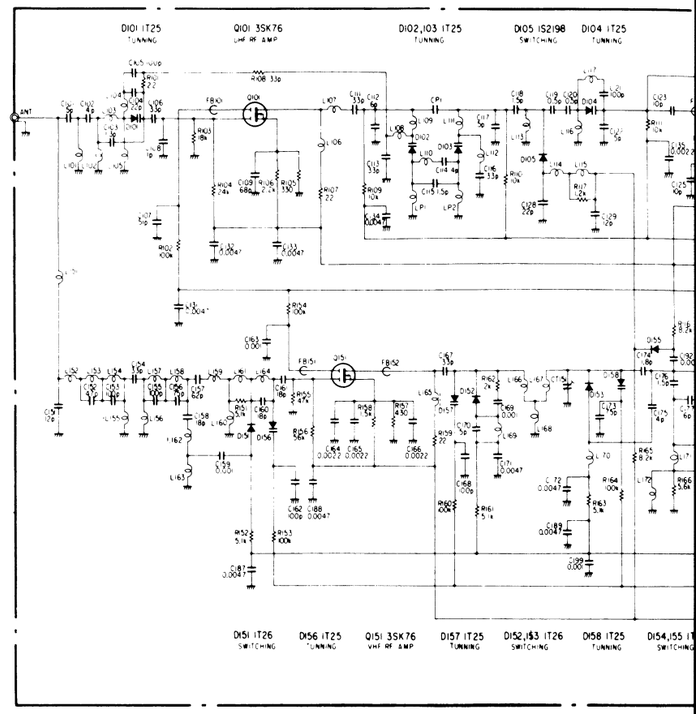


SLIP152B-50



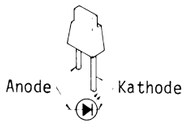
4-4. SCHALTBILD DES VHF/UHF-TUNERS

- **BT-881**

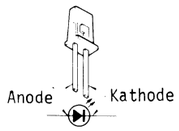


Anmerkung: Die T
Ersat

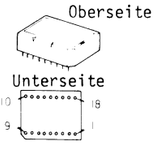
SLP161B
SLP261B
SLP361B



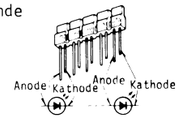
SR632D
SY432D



TLR324

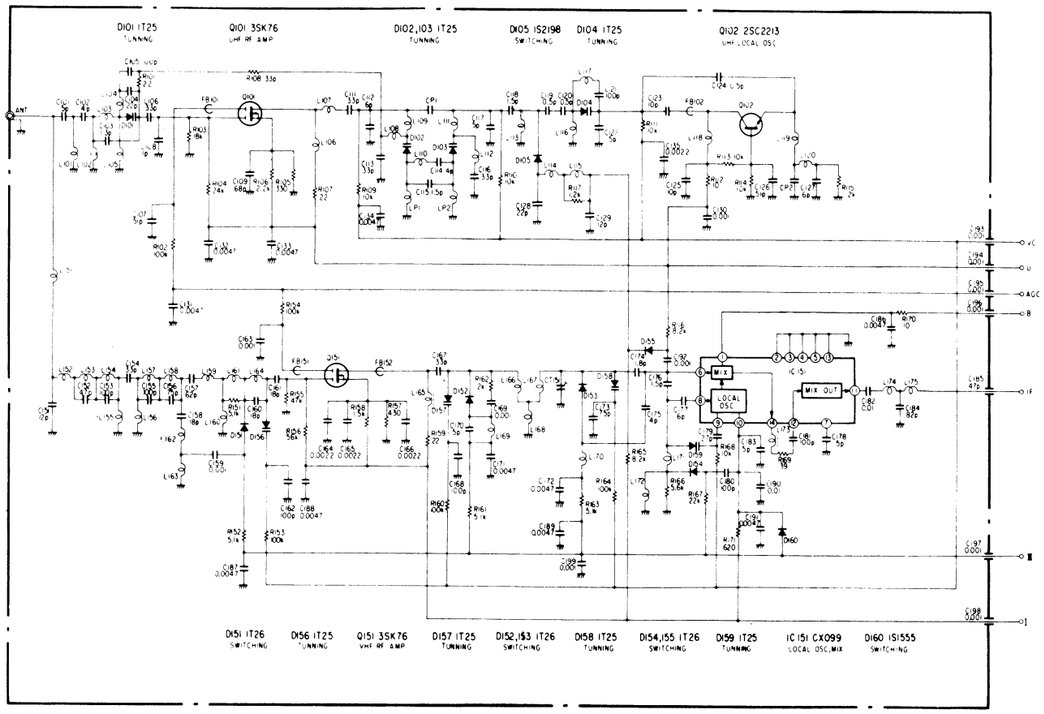


SLIP152B-50



4-4. SCHALTBILD DES VHF/UHF-TUNERS

- **BT-881**



Anmerkung: Die Tunerteile sind nicht in der Ersatzteilliste aufgeführt.

TEIL 5
EXPLOSIONSDARSTELLUNGEN

Ersatzteile ohne ET-Nummer und Beschreibung sind nicht auf Lager, weil sie selten benötigt werden.

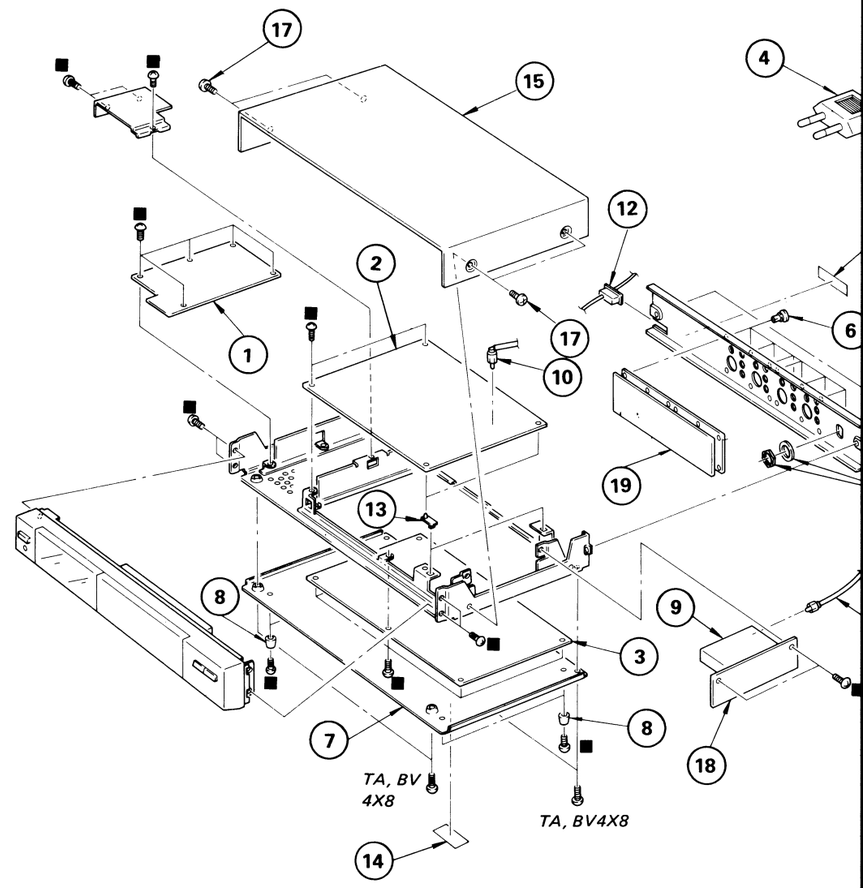
Die in der Spalte "Bemerkungen" angegebenen Nummern verweisen auf zusammengehörende Bauteile.

Für Teile, deren Positionsnummer mit E- beginnt, siehe die ET-Liste für elektrische Teile.

Die mit " ● " gekennzeichneten Teile sind nicht auf Lager, weil sie selten benötigt werden. Verzögerungen bei der Lieferung sind möglich.

Die grau
dem Zei
Bauteile
triebssi
Nur durc
der ents
ersetzen

5-1. GEHÄUSE



Pos.-Nr.	ET-Nummer	Beschreibung	Bemerkung
1	●:A-1245-153-A	F BOARD, COMPLETE	
2	●:A-1295-574-A	A BOARD, COMPLETE	
3	●:A-1306-176-A	M BOARD, COMPLETE	
4	⚠:1-551-427-11	**CORD, POWER, EULO PLUG**	
5	⚠:1-561-825-00	**SOCKET, ANTENNA INPUT**	
6	4-812-134-11	RIVET NYLON, 3.5	
7	X-4357-802-2	LID ASSY, BOTTOM	8
8	X-3556-910-0	FOOT ASSY, MF	
9	⚠:1-463-350-00	**TUNER (BT-881)**	
10	●:1-555-400-00	CABLE, PIN	
11	⚠:1-556-140-00	**CABLE, ANTENNA**	
12	⚠:2-245-510-00	**CLAMPER, CABLE**	
13	●:3-701-832-00	HINGE, CIRCUIT BOA	
14	●:3-703-234-01	LABEL CAUTION	
15	●:4-354-830-11	CASE	
16	●:4-357-827-00	LABEL, MODEL NUMBE	
17	4-847-802-11	SCREW, CASE STOPPE	
18	●:1-607-157-00	S BOARD	
19	●:1-607-156-00	K BOARD	

TEIL 5
EXPLOSIONSDARSTELLUNGEN

Ersatzteile ohne ET-Nummer und Beschreibung sind nicht auf Lager, weil sie selten benötigt werden.

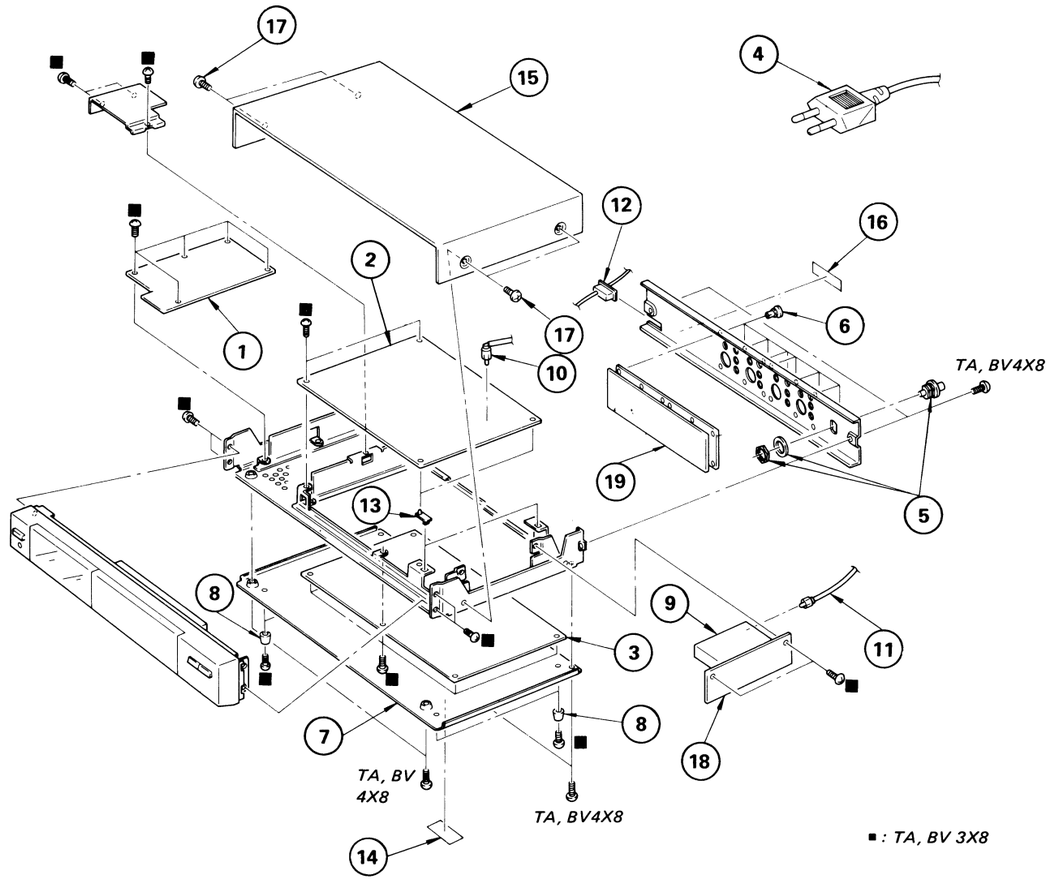
Die in der Spalte "Bemerkungen" angegebenen Nummern verweisen auf zusammengehörende Bauteile.

Für Teile, deren Positionsnummer mit E- beginnt, siehe die ET-Liste für elektrische Teile.

Die mit " ● " gekennzeichneten Teile sind nicht auf Lager, weil sie selten benötigt werden. Verzögerungen bei der Lieferung sind möglich.

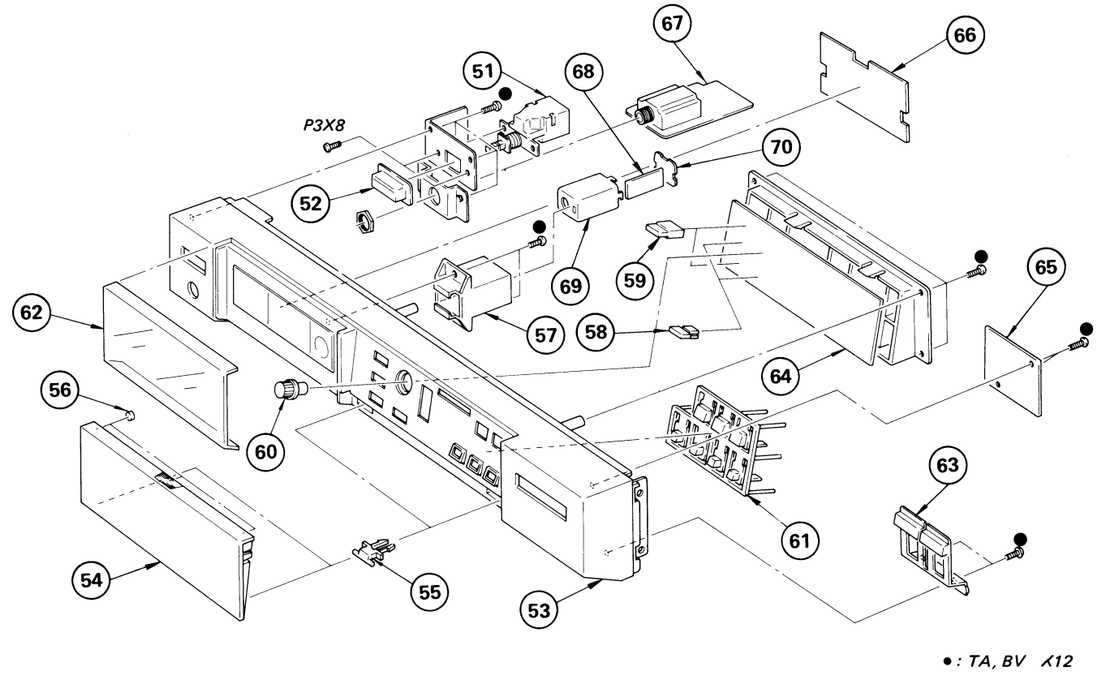
Die grau unterlegten und mit dem Zeichen ⚠ versehenen Bauteile sind für die Betriebssicherheit wichtig. Nur durch Originalteile mit der entsprechenden ET-Nummer ersetzen.

5-1. GEHÄUSE



Pos.-Nr.	ET-Nummer	Beschreibung	Bemerkung
1	●:A-1245-153-A	F BOARD, COMPLETE	
2	●:A-1295-574-A	A BOARD, COMPLETE	
3	●:A-1306-176-A	M BOARD, COMPLETE	
4	⚠1-551-427-11	CORD, POWER, EULO PLUG	
5	⚠1-561-825-00	SOCKET, ANTENNA INPUT	
6	4-812-134-11	RIVET NYLON, 3.5	
7	X-4357-802-2	LID ASSY, BOTTOM	8
8	X-3556-910-0	FOOT ASSY, MF	
9	⚠1-463-350-00	TUNER (BT-881)	
10	●:1-555-400-00	CABLE, PIN	
11	⚠1-556-140-00	CABLE, ANTENNA	
12	⚠2-245-510-00	CLAMPER, CABLE	
13	●:3-701-832-00	HINGE, CIRCUIT BOARD	
14	●:3-703-234-01	LABEL CAUTION	
15	●:4-354-830-11	CASE	
16	●:4-357-827-00	LABEL, MODEL NUMBER	
17	4-847-802-11	SCREW, CASE STOPPER	
18	●:1-607-157-00	S BOARD	
19	●:1-607-156-00	K BOARD	

5-2. GEHÄUSEFRONT



Pos.-Nr.	ET-Nummer	Beschreibung	Bemerkung
51	⚠1-553-330-21	SWITCH, PUSH (POWER)	
52	4-357-806-00	BUTTON, POWER	
53	X-4357-804-0	PANEL ASSY, FRONT	54
54	X-4357-801-0	DOOR ASSY	55,56
55	3-703-035-11	SHAFT, LID	
56	4-314-871-00	CUSHION	
57	●:4-357-119-00	BRACKET, CATCHER, RAY	
58	4-357-803-00	PUSH BUTTON	
59	4-357-804-00	BUTTON, ANTENNA	
60	4-357-814-00	KNOB, CONTROL	
61	4-357-815-00	BUTTON, FUNCTION	
62	4-357-816-00	COVER, TRANSPARENT	
63	4-357-819-00	BUTTON, PROGRAM	
64	●:1-607-158-00	H1 BOARD	
65	●:1-607-159-00	H2 BOARD	
66	●:1-607-160-00	HL BOARD	
67	●:1-607-161-00	Z BOARD	
68	●:1-606-794-00	N BOARD	
69	●:4-342-117-00	CASE, SHIELD (MAIN), R	
70	●:4-342-118-00	LID, SHIELD CASE, R	

TEIL 6
ERSATZTEILLISTE

Die grau unterlegten und mit dem Zeichen ⚠ versehenen Bauteile sind für die Betriebssicherheit wichtig. Nur durch Originalteile mit der entsprechenden ET-Nummer ersetzen.

Aus Standardisierungsgründen können anstelle der in den Schaltbildern spezifizierten Ersatzteile Vergleichstypen verwendet werden.

Die mit " ♦ " gekennzeichneten Teile sind nicht auf Lager, weil sie selten benötigt werden. Verzögerungen bei der Lieferung sind möglich.

Alle einstellbaren Widerstände haben die typische Kennlinie B, wenn nicht anders angegeben.

KONDENSATOREN
MF = µF; PF = µµF.

WIDERSTÄNDE
Alle Widerstände sind in Ohm.
F = schwerentflammbar.

SPULEN
MMH = mH: UH = µH.

Pos.-Nr.	ET-Nummer	Beschreibung				Bemerkung
♦	A-1245-153-A	PLATINE F, BESTÜCKT **********				
♦	1-555-837-00	CONNECTOR ASSY (2.5MM) 6P				
	3-701-353-00	SPACER, MICA				
	3-701-609-00	BUSHING (B), TR				
♦	4-323-833-00	HEAT SINK, PIN OUT				
♦	4-357-809-00	RETAINER, TR				
		KONDENSATOREN				
C601	⚠ 1-108-745-00	MYLAR	0.22MF	20%	300V	
C602	1-102-085-00	CERAMIC	0.0047MF		500V	
C603	1-102-085-00	CERAMIC	0.0047MF		500V	
C604	1-102-085-00	CERAMIC	0.0047MF		500V	
C605	1-125-291-00	ELECT(BLOCK)	100MF	20%	400V	
C606	1-130-907-00	FILM	0.12MF	5%	400V	
C607	1-130-909-00	FILM	0.16MF	3%	200KV	
C608	1-130-908-00	FILM	0.0039MF	3%	1.6KV	
C609	1-161-743-00	CERAMIC	0.0047MF		400V	
C610	1-161-743-00	CERAMIC	0.0047MF		400V	
C611	1-123-361-00	ELECT	220MF	20%	50V	
C612	1-123-310-00	ELECT	470MF	20%	10V	
C613	1-123-310-00	ELECT	470MF	20%	10V	
C614	1-123-336-00	ELECT	470MF	20%	25V	
C615	1-123-326-00	ELECT	3300MF	20%	16V	
C616	1-123-324-00	ELECT	1000MF	20%	16V	
C617	1-108-567-00	MYLAR	0.0033MF	5%	50V	
C618	1-108-849-00	MYLAR	0.1MF	10%	50V	
C619	1-123-356-00	ELECT	10MF	20%	25V	
C621	1-108-587-00	MYLAR	0.022MF	5%	50V	
C623	1-108-373-00	MYLAR	0.0047MF	10%	100V	
C624	⚠ 1-108-745-00	MYLAR	0.22MF	20%	300V	
		DIODEN				
D601	8-719-503-06	DIODE S3WB60Z				
D602	8-719-901-40	DIODE SIB01-02T5				
D603	8-719-301-14	DIODE GH-1F				
D604	8-719-901-93	DIODE V19B				
D605	8-719-902-28	DIODE ESAB82-004				
D606	8-719-901-93	DIODE V19B				
D607	8-719-901-93	DIODE V19B				
D608	8-719-908-01	DIODE GP08A				
D609	8-719-901-02	DIODE SIB01-02				
		STECKER				
F1	1-506-348-XX	3P PLUG (L)				
		SICHERUNG				
F601	⚠ 1-532-259-00	FUSE, GLASS TUBE				
		ICs				
IC601	8-759-170-05	IC UPC78M05H				
IC602	⚠ 1-235-122-00	POWER MODULE				

Pos.-Nr.	ET-Nummer	Beschreibung				Bemerkung
		SPULEN				
L601	1-459-395-00	COIL (WITH CORE)				
L604	1-459-155-00	COIL				
		TRANSISTOREN				
Q601	8-729-300-28	TRANSISTOR 2SC1942-16L				
Q602	8-729-177-43	TRANSISTOR 2SD774				
		WIDERSTÄNDE				
R601	⚠ 1-217-333-00	WIREWOUND	10	10%	7W	F
R602	1-214-596-00	METAL	39K	5%	2W	F
R603	1-214-596-00	METAL	39K	5%	2W	F
R604	1-212-368-00	METAL	4.7	5%	1W	F
R605	1-247-289-00	CARBON	8.2M	10%	1W	
R606	1-247-020-00	CARBON	1	5%	1/8W	F
R607	1-217-418-00	FUSIBLE	0.47	10%	1/2W	F
R608	1-247-020-00	CARBON	1	5%	1/8W	F
R609	1-206-441-00	METAL	1.2	5%	2W	F
R610	1-246-449-00	CARBON	100	5%	1/4W	
R611	1-246-463-00	CARBON	390	5%	1/4W	
R612	⚠ 1-247-289-00	CARBON	8.2M	10%	1W	
		TRANSFORMATOREN				
T601	⚠ 1-421-352-00	TRANSFORMER, FERRITE				
T602	⚠ 1-421-528-00	TRANSFORMER, FERRITE (POT)				
T603	1-421-527-00	COIL, FERRITE-CHOKE (PCC)				
		VARISTOR				
VDR601	⚠ 1-806-446-00	VARISTOR				
♦	A-1295-574-A	PLATINE A, BESTÜCKT **********				
	1-536-354-00	POST PIN				
	1-536-354-00	POST PIN				
	1-536-354-00	POST PIN				
♦	4-314-969-00	CASE (A) MAIN, SHIELD				
♦	4-336-029-00	PLATE, SHIELD				
♦	4-336-030-00	CASE (MAIN), SHIELD, VIF				
♦	4-356-303-00	CASE (UPPER), SHIELD, SIF				
♦	4-356-306-00	CASE (LOWER), SHIELD, SIF				
♦	4-356-316-00	CASE (UPPER), SHIELD, VIF				
♦	4-356-327-00	CASE (LOWER), SHIELD, VIF				
		STECKER				
A1	♦ 1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P				
A2	♦ 1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P				
A3	♦ 1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P				
A4	♦ 1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P				
A5	♦ 1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)				

A

KONDENSATOREN

Pos.-Nr.	ET-Nummer	Beschreibung			Bemerkung
C201	1-102-529-00	CERAMIC	100PF	5%	50V
C202	1-102-527-00	CERAMIC	82PF	5%	50V
C203	1-161-258-00	CERAMIC	8.2PF	10%	50V
C204	1-102-523-00	CERAMIC	56PF	5%	50V
C205	1-102-529-00	CERAMIC	100PF	5%	50V
C206	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C207	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C208	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C209	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C210	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C211	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C212	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C213	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C214	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C215	1-161-254-00	CERAMIC	3.9PF	10%	50V
C216	1-161-285-00	CERAMIC	33PF	5%	50V
C217	1-102-529-00	CERAMIC	100PF	5%	50V
C218	1-102-527-00	CERAMIC	82PF	5%	50V
C219	1-161-285-00	CERAMIC	33PF	5%	50V
C220	1-161-254-00	CERAMIC	3.9PF	10%	50V
C221	1-123-379-00	ELECT	0.47MF	20%	50V
C222	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C223	1-123-318-00	ELECT	33MF	20%	16V
C224	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C225	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C226	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C227	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C228	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C229	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C230	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C231	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C232	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C233	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C234	1-123-356-00	ELECT	10MF	20%	16V
C235	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C236	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C237	1-161-259-00	CERAMIC	10PF	5%	50V
C238	1-161-259-00	CERAMIC	10PF	5%	50V
C239	1-161-330-51	CERAMIC	0.01MF	30%	25V
C240	1-123-333-00	ELECT	100MF	20%	16V
C241	1-161-330-51	CERAMIC	0.01MF	30%	25V
C242	1-123-333-00	ELECT	100MF	20%	16V
C243	1-161-330-51	CERAMIC	0.01MF	30%	25V
C244	1-161-330-51	CERAMIC	0.01MF	30%	25V
C245	1-161-330-51	CERAMIC	0.01MF	30%	25V
C246	1-161-326-00	CERAMIC	0.0022MF	30%	50V
C247	1-161-330-51	CERAMIC	0.01MF	30%	25V
C248	1-161-330-51	CERAMIC	0.01MF	30%	25V
C249	1-161-326-00	CERAMIC	0.0022MF	30%	50V
C250	1-161-263-00	CERAMIC	22PF	5%	50V
C251	1-161-263-00	CERAMIC	22PF	5%	50V
C252	1-123-380-00	ELECT	1MF	20%	50V
C253	1-123-380-00	ELECT	1MF	20%	50V
C254	1-123-318-00	ELECT	33MF	20%	16V
C255	1-123-380-00	ELECT	1MF	20%	50V
C258	1-123-330-00	ELECT	22MF	20%	16V
C259	1-108-381-00	MYLAR	0.022MF	10%	100V
C260	1-130-723-00	FILM	0.1MF	2%	50V
C261	1-130-723-00	FILM	0.1MF	2%	50V
C262	1-108-389-00	MYLAR	0.1MF	10%	100V
C264	1-103-733-00	POLYSTYRENE	0.0022MF	5%	50V
C265	1-123-380-00	ELECT	1MF	20%	50V
C266	1-123-328-00	ELECT	4.7MF	20%	25V
C267	1-130-722-00	FILM	0.047MF	2%	50V
C268	1-130-722-00	FILM	0.047MF	2%	50V
C269	1-108-381-00	MYLAR	0.022MF	10%	100V
C270	1-108-377-00	MYLAR	0.01MF	10%	100V
C271	1-108-377-00	MYLAR	0.01MF	10%	100V
C272	1-108-377-00	MYLAR	0.01MF	10%	100V
C273	1-108-377-00	MYLAR	0.01MF	10%	100V
C274	1-161-315-00	CERAMIC	220PF	10%	50V
C275	1-123-333-00	ELECT	100MF	20%	16V
C278	1-123-318-00	ELECT	33MF	20%	16V
C279	1-123-333-00	ELECT	100MF	20%	16V
C280	1-123-318-00	ELECT	33MF	20%	16V
C281	1-123-381-00	ELECT	2.2MF	20%	50V
C282	1-123-381-00	ELECT	2.2MF	20%	50V
C284	1-108-377-00	MYLAR	0.01MF	10%	100V
C285	1-108-377-00	MYLAR	0.01MF	10%	100V
C286	1-123-324-00	ELECT	1000MF	20%	16V
C287	1-161-328-51	CERAMIC	0.0047MF	30%	50V

FILTER

CD201	1-404-380-00	DISCRIMINATOR, CERAMIC 5.5MHZ
CD202	1-404-379-00	DISCRIMINATOR, CERAMIC 5.74MHZ
CF202	1-404-134-00	TRAP, CERAMIC (5.5MHZ)
CF203	1-527-840-00	FILTER, CERAMIC
CF204	1-527-839-00	FILTER, CERAMIC
CF205	1-527-930-00	FILTER, CERAMIC

WIDERSTANDSBLÖCKE

CP201	1-232-249-00	COMPOSITION CIRCUIT BLOCK
CP202	1-232-249-00	COMPOSITION CIRCUIT BLOCK

ICs

IC201	8-759-276-07	IC TA7607AP
IC202	8-759-028-40	IC TDA2840
IC203	8-759-193-91	IC UPC1391H
IC204	8-759-193-91	IC UPC1391H
IC205	8-759-145-58	IC UPC4558C
IC206	8-759-340-52	IC HD14052BP
IC208	8-759-145-58	IC UPC4558C

Pos.-Nr.	ET-Nummer	Beschreibung	Bemerkung
		BUCHSE	
J201	1-526-575-00	SOCKET, PLUG	
		SPULEN	
L201	1-407-178-XX	MICRO INDUCTOR 1UH	
L203	1-407-690-00	MICRO INDUCTOR 5.6UH	
L204	1-407-690-00	MICRO INDUCTOR 5.6UH	
L205	1-408-678-00	MICRO INDUCTOR 3.9MMH	
L206	1-407-703-00	MICRO INDUCTOR 68UH	
L208	1-407-691-00	MICRO INDUCTOR 6.8UH	
L209	1-407-689-00	MICRO INDUCTOR 4.7UH	
L210	1-407-690-00	MICRO INDUCTOR 5.6UH	
L211	1-407-690-00	MICRO INDUCTOR 5.6UH	
L212	1-407-697-00	MICRO INDUCTOR 22UH	
L213	1-407-697-00	MICRO INDUCTOR 22UH	
L214	1-459-105-21	COIL(WITH CORE)	
		TRANSISTOREN	
Q201	8-765-300-00	TRANSISTOR 2SC2009	
Q202	8-765-300-00	TRANSISTOR 2SC2009	
Q203	8-729-178-54	TRANSISTOR 2SC2785	
Q204	8-729-178-54	TRANSISTOR 2SC2785	
Q205	8-729-178-54	TRANSISTOR 2SC2785	
Q208	8-729-117-54	TRANSISTOR 2SA1175	
Q209	8-729-178-54	TRANSISTOR 2SC2785	
Q210	8-729-117-54	TRANSISTOR 2SA1175	
Q211	8-729-117-54	TRANSISTOR 2SA1175	
Q212	8-729-178-54	TRANSISTOR 2SC2785	
Q213	8-729-178-54	TRANSISTOR 2SC2785	
Q214	8-729-178-54	TRANSISTOR 2SC2785	
Q215	8-729-178-54	TRANSISTOR 2SC2785	
Q216	8-729-178-54	TRANSISTOR 2SC2785	
Q217	8-729-178-54	TRANSISTOR 2SC2785	
		WIDERSTÄNDE	
R201	1-246-791-00	CARBON 4.7K	1/8W
R202	1-246-790-00	CARBON 3.9K	1/8W
R203	1-246-457-00	CARBON 220 5%	1/4W
R204	1-246-775-00	CARBON 220	1/8W
R205	1-246-786-00	CARBON 1.8K	1/8W
R206	1-247-052-00	CARBON 820K	1/8W
R207	1-246-783-00	CARBON 1K	1/8W
R208	1-246-788-00	CARBON 2.7K	1/8W
R209	1-246-785-00	CARBON 1.5K	1/8W
R210	1-246-801-00	CARBON 33K	1/8W
R211	1-246-806-00	CARBON 82K	1/8W
R212	1-246-771-00	CARBON 100	1/8W
R213	1-246-791-00	CARBON 4.7K	1/8W
R214	1-246-790-00	CARBON 3.9K	1/8W
R215	1-246-457-00	CARBON 220 5%	1/4W
R216	1-246-784-00	CARBON 1.2K	1/8W
R218	1-246-777-00	CARBON 330	1/8W

Pos.-Nr.	ET-Nummer	Beschreibung	Bemerkung
R219	1-246-777-00	CARBON 330	1/8W
R220	1-246-783-00	CARBON 1K	1/8W
R221	1-246-783-00	CARBON 1K	1/8W
R222	1-246-776-00	CARBON 270	1/8W
R223	1-246-776-00	CARBON 270	1/8W
R224	1-246-778-00	CARBON 390	1/8W
R225	1-246-778-00	CARBON 390	1/8W
R226	1-246-785-00	CARBON 1.5K	1/8W
R227	1-246-783-00	CARBON 1K	1/8W
R228	1-246-783-00	CARBON 1K	1/8W
R229	1-246-789-00	CARBON 3.3K	1/8W
R232	1-246-789-00	CARBON 3.3K	1/8W
R233	1-214-777-00	METAL 100K 1%	1/4W
R234	1-214-777-00	METAL 100K 1%	1/4W
R235	1-246-473-00	CARBON 1K 5%	1/4W
R240	1-246-783-00	CARBON 1K	1/8W
R241	1-246-783-00	CARBON 1K	1/8W
R242	1-246-791-00	CARBON 4.7K	1/8W
R243	1-246-804-00	CARBON 56K	1/8W
R244	1-246-792-00	CARBON 5.6K	1/8W
R245	1-246-779-00	CARBON 470	1/8W
R246	1-246-793-00	CARBON 6.8K	1/8W
R247	1-214-958-00	METAL 560K 1%	1/4W
R248	1-214-717-00	METAL 330 1%	1/4W
R249	1-246-805-00	CARBON 68K	1/8W
R250	1-246-796-00	CARBON 12K	1/8W
R251	1-246-807-00	CARBON 100K	1/8W
R252	1-246-805-00	CARBON 68K	1/8W
R253	1-246-789-00	CARBON 3.3K	1/8W
R254	1-214-716-00	METAL 300 1%	1/4W
R255	1-246-865-00	CARBON 62K	1/8W
R256	1-214-957-00	METAL 510K 1%	1/4W
R257	1-246-811-00	CARBON 220K	1/8W
R258	1-246-791-00	CARBON 4.7K	1/8W
R259	1-246-791-00	CARBON 4.7K	1/8W
R262	1-246-791-00	CARBON 4.7K	1/8W
R263	1-246-791-00	CARBON 4.7K	1/8W
R264	1-246-791-00	CARBON 4.7K	1/8W
R265	1-246-791-00	CARBON 4.7K	1/8W
R266	1-246-759-00	CARBON 10	1/8W
R267	1-246-759-00	CARBON 10	1/8W
R268	1-246-759-00	CARBON 10	1/8W
R269	1-246-759-00	CARBON 10	1/8W
R270	1-246-789-00	CARBON 3.3K	1/8W
R271	1-246-789-00	CARBON 3.3K	1/8W
R272	1-246-788-00	CARBON 2.7K	1/8W
R273	1-246-788-00	CARBON 2.7K	1/8W
R274	1-246-783-00	CARBON 1K	1/8W
R275	1-246-774-00	CARBON 180	1/8W
R276	1-246-771-00	CARBON 100	1/8W
R277	1-246-463-00	CARBON 390 5%	1/4W
R278	1-246-785-00	CARBON 1.5K	1/8W
R279	1-246-776-00	CARBON 270	1/8W

A M

Pos.-Nr.	ET-Nummer	Beschreibung			Bemerkung
R280	1-246-783-00	CARBON	1K		1/8W
R281	1-246-779-00	CARBON	470		1/8W
R282	1-246-776-00	CARBON	270		1/8W
R283	1-246-785-00	CARBON	1.5K		1/8W
R284	1-246-783-00	CARBON	1K		1/8W
R285	1-246-779-00	CARBON	470		1/8W
R286	1-246-475-00	CARBON	1.2K	5%	1/4W
R288	1-246-807-00	CARBON	100K		1/8W
R289	1-246-806-00	CARBON	82K		1/8W
R290	1-246-807-00	CARBON	100K		1/8W
R291	1-246-806-00	CARBON	82K		1/8W
R293	1-246-794-00	CARBON	8.2K		1/8W
R294	1-246-803-00	CARBON	47K		1/8W
R295	1-246-794-00	CARBON	8.2K		1/8W
R296	1-246-803-00	CARBON	47K		1/8W
R297	1-246-795-00	CARBON	10K		1/8W
R298	1-246-795-00	CARBON	10K		1/8W
R299	1-246-803-00	CARBON	47K		1/8W

POTENTIOMETER

RV201	1-226-850-00	RES, ADJ, CARBON 4.7K
RV202	1-226-849-00	RES, ADJ, CARBON 3.3K
RV203	1-226-853-00	RES, ADJ, CARBON 47K

FILTER

SF201	1-404-382-00	SAWF
SF202	1-404-332-00	SAWF (38.9MHZ)

TRANSFORMATOREN

T201	1-404-068-00	COIL, VIF
T202	1-404-068-00	COIL, VIF
T203	1-404-207-00	COIL, VIF
T204	1-404-203-00	COIL, VIF
T205	1-404-203-00	COIL, VIF
T206	1-404-207-00	COIL, VIF
T207	1-404-378-00	I.F.T
T208	1-404-381-00	COIL, VIF

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♦:A-1306-176-A	PLATINE M, BESTÜCKT	
	**********	
1-536-354-00	POST PIN	
♦:4-356-323-00	CASE (UPPER), SHIELD, M	
♦:4-357-817-00	CASE (MAIN), SHIELD, M	
♦:4-357-818-00	CASE (LOWER), SHIELD, M	

KONDENSATOREN

C001	1-161-327-00	CERAMIC	0.0033MF	30%	50V
C002	1-123-380-00	ELECT	1MF	20%	50V
C003	1-161-330-51	CERAMIC	0.01MF	30%	25V
C004	1-161-313-00	CERAMIC	150PF	10%	50V
C005	1-161-313-00	CERAMIC	150PF	10%	50V
C006	1-123-356-00	ELECT	10MF	20%	16V
C007	1-123-369-00	ELECT	4.7MF	20%	50V
C008	1-123-356-00	ELECT	10MF	20%	16V
C009	1-161-330-51	CERAMIC	0.01MF	30%	25V
C010	1-161-330-51	CERAMIC	0.01MF	30%	25V
C011	1-161-330-51	CERAMIC	0.01MF	30%	25V
C012	1-161-265-00	CERAMIC	33PF	5%	50V
C013	1-161-265-00	CERAMIC	33PF	5%	50V
C014	1-123-380-00	ELECT	1MF	20%	50V
C015	1-123-380-00	ELECT	1MF	20%	50V
C016	1-108-389-00	MYLAR	0.1MF	10%	100V
C017	1-123-380-00	ELECT	1MF	20%	50V
C018	1-108-377-00	MYLAR	0.01MF	10%	100V
C019	1-161-327-00	CERAMIC	0.0033MF	30%	50V
C020	1-123-379-00	ELECT	0.47MF	20%	50V
C021	1-123-380-00	ELECT	1MF	20%	50V
C022	1-123-318-00	ELECT	33MF	20%	16V
C023	1-123-357-00	ELECT	22MF	20%	50V
C024	1-123-380-00	ELECT	1MF	20%	50V
C025	1-108-383-00	MYLAR	0.033MF	10%	100V
C026	1-108-367-00	MYLAR	0.0015MF	10%	100V
C027	1-123-323-00	ELECT	470MF	20%	16V
C028	1-161-323-00	CERAMIC	0.001MF	10%	50V
C029	1-123-379-00	ELECT	0.47MF	20%	50V
C030	1-123-318-00	ELECT	33MF	20%	16V
C031	1-123-330-00	ELECT	22MF	20%	16V
C032	1-161-494-00	CERAMIC	0.022MF	30%	25V
C033	1-123-332-00	ELECT	47MF	20%	16V
C301	1-108-377-00	MYLAR	0.01MF	10%	100V
C302	1-108-377-00	MYLAR	0.01MF	10%	100V
C303	1-108-377-00	MYLAR	0.01MF	10%	100V
C304	1-108-377-00	MYLAR	0.01MF	10%	100V
C305	1-108-377-00	MYLAR	0.01MF	10%	100V
C306	1-108-377-00	MYLAR	0.01MF	10%	100V
C307	1-123-318-00	ELECT	33MF	20%	16V
C308	1-123-318-00	ELECT	33MF	20%	16V
C309	1-123-318-00	ELECT	33MF	20%	16V
C310	1-123-318-00	ELECT	33MF	20%	16V
C311	1-123-318-00	ELECT	33MF	20%	16V
C312	1-123-323-00	ELECT	470MF	20%	16V
C313	1-161-330-51	CERAMIC	0.01MF	30%	25V
C314	1-161-330-51	CERAMIC	0.01MF	30%	25V
C315	1-161-330-51	CERAMIC	0.01MF	30%	25V
C316	1-123-381-00	ELECT	2.2MF	20%	50V
C317	1-123-380-00	ELECT	1MF	20%	50V
C318	1-123-380-00	ELECT	1MF	20%	50V
C319	1-123-369-00	ELECT	4.7MF	20%	50V
C320	1-102-965-00	CERAMIC	39PF	5%	50V
C321	1-123-333-00	ELECT	100MF	20%	16V
C322	1-123-325-00	ELECT	2200MF	20%	16V
C323	1-102-965-00	CERAMIC	39PF	5%	50V
C324	1-123-333-00	ELECT	100MF	20%	16V
C325	1-123-325-00	ELECT	2200MF	20%	16V

Pos.-Nr.	ET-Nummer	Beschreibung				Bemerkung
C327	1-123-447-00	ELECT	0.22MF	20%	50V	
C330	1-123-447-00	ELECT	0.22MF	20%	50V	
C333	1-123-447-00	ELECT	0.22MF	20%	50V	
C336	1-123-447-00	ELECT	0.22MF	20%	50V	
C338	1-102-947-00	CERAMIC	10PF	5%	50V	
C339	1-102-947-00	CERAMIC	10PF	5%	50V	
C342	1-123-381-00	ELECT	2.2MF	20%	50V	
C343	1-123-381-00	ELECT	2.2MF	20%	50V	
C344	1-123-381-00	ELECT	2.2MF	20%	50V	
C345	1-123-318-00	ELECT	33MF	20%	16V	
C346	1-123-318-00	ELECT	33MF	20%	16V	
C347	1-123-333-00	ELECT	100MF	20%	16V	
C348	1-161-494-00	CERAMIC	0.022MF	30%	25V	
C349	1-123-323-00	ELECT	470MF	20%	16V	
C357	1-123-318-00	ELECT	33MF	20%	16V	

FILTER

CF001	1-527-476-00	OSCILLATOR, CERAMIC
CF002	1-527-932-00	OSCILLATOR, CERAMIC

WIDERSTANDSBLÖCKE

CP001	1-232-250-00	COMPOSITION CIRCUIT BLOCK
CP002	1-232-251-00	COMPOSITION CIRCUIT BLOCK
CP003	1-232-252-00	COMPOSITION CIRCUIT BLOCK
CP004	1-232-253-00	COMPOSITION CIRCUIT BLOCK
CP005	1-232-254-00	COMPOSITION CIRCUIT BLOCK
CP006	1-232-255-00	COMPOSITION CIRCUIT BLOCK
CP301	1-232-259-00	COMPOSITION CIRCUIT BLOCK
CP302	1-232-267-00	COMPOSITION CIRCUIT BLOCK
CP303	1-232-270-00	COMPOSITION CIRCUIT BLOCK
CP304	1-232-258-00	COMPOSITION CIRCUIT BLOCK
CP305	1-232-258-00	COMPOSITION CIRCUIT BLOCK
CP306	1-232-260-00	COMPOSITION CIRCUIT BLOCK
CP307	1-232-260-00	COMPOSITION CIRCUIT BLOCK
CP308	1-232-260-00	COMPOSITION CIRCUIT BLOCK
CP309	1-232-268-00	COMPOSITION CIRCUIT BLOCK
CP310	1-232-269-00	COMPOSITION CIRCUIT BLOCK
CP311	1-232-268-00	COMPOSITION CIRCUIT BLOCK

DIODEN

D001	8-719-102-90	DIODE RD10EN2
D002	8-719-911-19	DIODE 1SS119
D008	8-719-911-19	DIODE 1SS119
D009	8-719-911-19	DIODE 1SS119
D010	8-759-157-40	IC UPC574J
D016	8-719-911-19	DIODE 1SS119
D017	8-719-911-19	DIODE 1SS119
D018	8-719-911-19	DIODE 1SS119
D019	8-719-911-19	DIODE 1SS119
D020	8-719-911-19	DIODE 1SS119
D021	8-719-911-19	DIODE 1SS119
D023	8-719-911-19	DIODE 1SS119
D024	8-719-911-19	DIODE 1SS119

Pos.-Nr.	ET-Nummer	Beschreibung	Bemerkung
D027	8-719-911-19	DIODE 1SS119	
D301	8-719-110-07	DIODE RD10E-B	
D302	8-719-911-19	DIODE 1SS119	
D303	8-719-911-19	DIODE 1SS119	
D304	8-719-911-19	DIODE 1SS119	
D305	8-719-911-19	DIODE 1SS119	
D306	8-719-911-19	DIODE 1SS119	
D307	8-719-911-19	DIODE 1SS119	
D308	8-719-911-19	DIODE 1SS119	
D309	8-719-911-19	DIODE 1SS119	
D310	8-719-911-19	DIODE 1SS119	
D311	8-719-911-19	DIODE 1SS119	

ICs

IC001	8-759-600-03	IC M50120P
IC002	8-759-600-17	IC M50118P
IC003	8-759-600-16	IC M5G1400P
IC004	8-759-600-15	IC M54570L
IC005	8-759-240-27	IC TC4027BP
IC006	8-759-240-27	IC TC4027BP
IC007	8-759-600-15	IC M54570L
IC008	8-759-600-15	IC M54570L
IC301	8-759-340-53	IC HD14053BP
IC302	8-759-340-52	IC HD14052BP
IC303	8-759-240-16	IC TC4016BP
IC304	8-759-145-58	IC UPC4558C
IC305	8-759-145-58	IC UPC4558C
IC306	8-759-145-58	IC UPC4558C

SPULEN

L001	1-407-192-XX	MICRO INDUCTOR 560UH
L002	1-407-192-XX	MICRO INDUCTOR 560UH
L003	1-407-192-XX	MICRO INDUCTOR 560UH
L004	1-408-247-00	MICRO INDUCTOR 33MMH

STECKER

M1	▲:1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P
M2	▲:1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P
M3	▲:1-560-129-00	PLUG, CONNECTOR (2.5MM) 9P
M4	▲:1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)
M5	▲:1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P
M6	▲:1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P
M7	▲:1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P
M8	▲:1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P
M9	▲:1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)
M10	▲:1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P
M11	▲:1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P
M12	▲:1-560-128-00	PLUG, CONNECTOR (2.5MM PITCH)
M13	▲:1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P
M14	▲:1-560-156-00	PLUG, CONNECTOR (2.5MM PITCH)
M15	▲:1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P
M16	▲:1-560-127-00	PLUG, CONNECTOR (2.5MM) 7P
M17	▲:1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P

M

Pos.-Nr.	ET-Nummer	Beschreibung	Bemerkung
		TRANSISTOREN	
Q001	8-729-117-54	TRANSISTOR 2SA1175	
Q002	8-729-178-54	TRANSISTOR 2SC2785	
Q003	8-729-178-54	TRANSISTOR 2SC2785	
Q004	8-729-178-54	TRANSISTOR 2SC2785	
Q005	8-729-117-54	TRANSISTOR 2SA1175	
Q006	8-729-117-54	TRANSISTOR 2SA1175	
Q007	8-729-178-54	TRANSISTOR 2SC2785	
Q008	8-729-117-54	TRANSISTOR 2SA1175	
Q009	8-729-117-54	TRANSISTOR 2SA1175	
Q010	8-729-178-54	TRANSISTOR 2SC2785	
Q011	8-729-178-54	TRANSISTOR 2SC2785	
Q012	8-729-117-54	TRANSISTOR 2SA1175	
Q013	8-729-178-54	TRANSISTOR 2SC2785	
Q014	8-729-178-54	TRANSISTOR 2SC2785	
Q015	8-729-178-54	TRANSISTOR 2SC2785	
Q016	8-729-178-54	TRANSISTOR 2SC2785	
Q017	8-729-117-54	TRANSISTOR 2SA1175	
Q018	8-729-178-54	TRANSISTOR 2SC2785	
Q019	8-729-117-54	TRANSISTOR 2SA1175	
Q020	8-729-178-54	TRANSISTOR 2SC2785	
Q021	8-729-178-54	TRANSISTOR 2SC2785	
Q022	8-729-117-54	TRANSISTOR 2SA1175	
Q023	8-729-178-54	TRANSISTOR 2SC2785	
Q301	8-729-178-54	TRANSISTOR 2SC2785	
Q302	8-729-178-54	TRANSISTOR 2SC2785	
Q303	8-729-178-54	TRANSISTOR 2SC2785	
Q304	8-729-178-54	TRANSISTOR 2SC2785	
Q305	8-729-178-54	TRANSISTOR 2SC2785	
Q306	8-729-178-54	TRANSISTOR 2SC2785	
Q307	8-729-178-54	TRANSISTOR 2SC2785	
Q308	8-729-117-54	TRANSISTOR 2SA1175	
Q309	8-729-178-54	TRANSISTOR 2SC2785	
Q310	8-729-178-54	TRANSISTOR 2SC2785	
Q311	8-729-178-54	TRANSISTOR 2SC2785	
Q312	8-729-178-54	TRANSISTOR 2SC2785	
Q313	8-729-117-54	TRANSISTOR 2SA1175	
Q314	8-729-117-54	TRANSISTOR 2SA1175	
		WIDERSTÄNDE	
R001	1-246-799-00	CARBON 22K	1/8W
R002	1-246-789-00	CARBON 3.3K	1/8W
R003	1-246-771-00	CARBON 100	1/8W
R004	1-246-795-00	CARBON 10K	1/8W
R005	1-246-799-00	CARBON 22K	1/8W
R006	1-246-783-00	CARBON 1K	1/8W
R007	1-246-783-00	CARBON 1K	1/8W
R008	1-246-803-00	CARBON 47K	1/8W
R009	1-246-803-00	CARBON 47K	1/8W
R010	1-246-809-00	CARBON 150K	1/8W
R011	1-247-049-00	CARBON 470K	1/8W
R012	1-247-053-00	CARBON 1M	1/8W

Pos.-Nr.	ET-Nummer	Beschreibung	Bemerkung
R013	1-246-808-00	CARBON 120K	1/8W
R014	1-246-807-00	CARBON 100K	1/8W
R015	1-246-807-00	CARBON 100K	1/8W
R016	1-246-783-00	CARBON 1K	1/8W
R017	1-246-783-00	CARBON 1K	1/8W
R018	1-246-783-00	CARBON 1K	1/8W
R019	1-246-793-00	CARBON 6.8K	1/8W
R020	1-206-668-00	METAL 1.5K 5%	2W F
R022	1-246-795-00	CARBON 10K	1/8W
R023	1-246-783-00	CARBON 1K	1/8W
R024	1-246-799-00	CARBON 22K	1/8W
R025	1-246-799-00	CARBON 22K	1/8W
R026	1-246-799-00	CARBON 22K	1/8W
R027	1-246-795-00	CARBON 10K	1/8W
R028	1-246-795-00	CARBON 10K	1/8W
R029	1-246-803-00	CARBON 47K	1/8W
R030	1-246-801-00	CARBON 33K	1/8W
R031	1-246-803-00	CARBON 47K	1/8W
R032	1-246-803-00	CARBON 47K	1/8W
R033	1-246-795-00	CARBON 10K	1/8W
R034	1-246-803-00	CARBON 47K	1/8W
R035	1-246-803-00	CARBON 47K	1/8W
R036	1-246-803-00	CARBON 47K	1/8W
R037	1-246-795-00	CARBON 10K	1/8W
R038	1-246-785-00	CARBON 1.5K	1/8W
R039	1-246-792-00	CARBON 5.6K	1/8W
R044	1-246-797-00	CARBON 15K	1/8W
R046	1-246-807-00	CARBON 100K	1/8W
R048	1-246-807-00	CARBON 100K	1/8W
R049	1-246-807-00	CARBON 100K	1/8W
R050	1-247-047-00	CARBON 330K	1/8W
R051	1-246-807-00	CARBON 100K	1/8W
R052	1-246-797-00	CARBON 15K	1/8W
R053	1-246-795-00	CARBON 10K	1/8W
R054	1-246-784-00	CARBON 1.2K	1/8W
R055	1-246-784-00	CARBON 1.2K	1/8W
R056	1-246-784-00	CARBON 1.2K	1/8W
R057	1-246-784-00	CARBON 1.2K	1/8W
R058	1-246-784-00	CARBON 1.2K	1/8W
R059	1-246-782-00	CARBON 820	1/8W
R060	1-246-782-00	CARBON 820	1/8W
R061	1-246-782-00	CARBON 820	1/8W
R062	1-246-777-00	CARBON 330	1/8W
R063	1-246-777-00	CARBON 330	1/8W
R066	1-246-771-00	CARBON 100	1/8W
R067	1-246-783-00	CARBON 1K	1/8W
R068	1-246-803-00	CARBON 47K	1/8W
R069	1-247-046-00	CARBON 270K	1/8W
R070	1-246-789-00	CARBON 3.3K	1/8W
R071	1-246-783-00	CARBON 1K	1/8W
R072	1-246-803-00	CARBON 47K	1/8W
R073	1-246-803-00	CARBON 47K	1/8W
R075	1-246-807-00	CARBON 100K	1/8W

Pos.-Nr.	ET-Nummer	Beschreibung			Bemerkung
R076	1-246-803-00	CARBON	47K		1/8W
R077	1-246-794-00	CARBON	8.2K		1/8W
R078	1-246-801-00	CARBON	33K		1/8W
R079	1-246-803-00	CARBON	47K		1/8W
R080	1-246-795-00	CARBON	10K		1/8W
R081	1-246-777-00	CARBON	330		1/8W
R082	1-246-801-00	CARBON	33K		1/8W
R083	1-246-811-00	CARBON	220K		1/8W
R084	1-246-795-00	CARBON	10K		1/8W
R085	1-246-783-00	CARBON	1K		1/8W
R086	1-247-047-00	CARBON	330K		1/8W
R087	1-246-788-00	CARBON	2.7K		1/8W
R088	1-246-807-00	CARBON	100K		1/8W
R089	1-246-807-00	CARBON	100K		1/8W
R090	1-246-792-00	CARBON	5.6K		1/8W
R091	1-246-799-00	CARBON	22K		1/8W
R092	1-247-047-00	CARBON	330K		1/8W
R301	1-246-787-00	CARBON	2.2K		1/8W
R302	1-246-787-00	CARBON	2.2K		1/8W
R303	1-246-787-00	CARBON	2.2K		1/8W
R304	1-246-787-00	CARBON	2.2K		1/8W
R305	1-246-787-00	CARBON	2.2K		1/8W
R306	1-246-787-00	CARBON	2.2K		1/8W
R316	1-246-453-00	CARBON	150	5%	1/4W
R317	1-246-781-00	CARBON	680		1/8W
R321	1-246-784-00	CARBON	1.2K		1/8W
R322	1-246-786-00	CARBON	1.8K		1/8W
R325	1-246-785-00	CARBON	1.5K		1/8W
R326	1-246-755-00	CARBON	4.7		1/8W
R327	1-246-755-00	CARBON	4.7		1/8W
R328	1-246-784-00	CARBON	1.2K		1/8W
R329	1-246-786-00	CARBON	1.8K		1/8W
R332	1-246-785-00	CARBON	1.5K		1/8W
R333	1-246-755-00	CARBON	4.7		1/8W
R334	1-246-755-00	CARBON	4.7		1/8W
R338	1-246-775-00	CARBON	220		1/8W
R339	1-246-783-00	CARBON	1K		1/8W
R340	1-246-794-00	CARBON	8.2K		1/8W
R341	1-246-781-00	CARBON	680		1/8W
R343	1-246-775-00	CARBON	220		1/8W
R344	1-246-804-00	CARBON	56K		1/8W
R348	1-246-775-00	CARBON	220		1/8W
R353	1-246-775-00	CARBON	220		1/8W
R358	1-212-889-00	FUSIBLE	220	5%	1/4W F
R359	1-246-781-00	CARBON	680		1/8W
R360	1-246-781-00	CARBON	680		1/8W
R361	1-246-795-00	CARBON	10K		1/8W
R362	1-246-795-00	CARBON	10K		1/8W
R363	1-246-799-00	CARBON	22K		1/8W
R364	1-246-799-00	CARBON	22K		1/8W

Pos.-Nr.	ET-Nummer	Beschreibung			Bemerkung
	♦:1-607-157-00	PLATINE S			
		*********			
		KONDENSATOREN			
C101	1-108-387-00	MYLAR	0.068MF	10%	100V
C102	1-108-387-00	MYLAR	0.068MF	10%	100V
C103	1-161-265-00	CERAMIC	33PF	5%	50V
C104	1-123-318-00	ELECT	33MF	20%	16V
C105	1-161-328-51	CERAMIC	0.0047MF	30%	50V
C106	1-123-324-00	ELECT	1000MF	20%	16V
C107	1-123-356-00	ELECT	10MF	20%	16V
C108	1-123-356-00	ELECT	10MF	20%	16V
C109	1-108-389-00	MYLAR	0.1MF	10%	100V
C110	1-123-380-00	ELECT	1MF	20%	50V
		DIODE			
D101	8-719-911-19	DIODE 1SS119			
		BUCHSE			
J101	♦:1-526-575-00	SOCKET, PLUG			
		SPULE			
L101	1-408-242-00	MICRO INDUCTOR 10MMH			
		TRANSISTOR			
Q101	8-729-178-54	TRANSISTOR 2SC2785			
		WIDERSTÄNDE			
R101	1-246-799-00	CARBON	22K		1/8W
R103	1-247-047-00	CARBON	330K		1/8W
R104	1-246-787-00	CARBON	2.2K		1/8W
R105	1-246-787-00	CARBON	2.2K		1/8W
R106	1-246-810-00	CARBON	180K		1/8W
		STECKER			
S1	♦:1-560-127-00	PLUG, CONNECTOR (2.5MM) 7P			
S2	♦:1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P			
**********					
	♦:1-607-158-00	PLATINE H1			
		**********			
	♦:1-555-356-00	CONNECTOR ASSY (2.5MM) 6P			
	♦:1-555-837-00	CONNECTOR ASSY (2.5MM) 6P			
	♦:1-555-966-71	CONNECTOR ASSY (2.5MM) 5P			
	♦:1-556-004-21	CONNECTOR ASSY (2.5MM) 6P			
	♦:1-556-004-31	CONNECTOR ASSY (2.5MM) 6P			
	♦:1-556-235-61	CONNECTOR ASSY (2.5MM) 4P			
	♦:4-342-714-00	COVER, LED			
	♦:4-350-901-00	HOLDER (M), LED			
	♦:4-357-812-00	HOLDER, LED			
	4-357-813-00	COVER, LED HOLDER			

Pos.-Nr.	ET-Nummer	Beschreibung			Bemerkung
		KONDENSATOREN			
C451	1-123-369-00	ELECT	4.7MF	20% 50V	
C452	1-123-369-00	ELECT	4.7MF	20% 50V	
C453	1-123-381-00	ELECT	2.2MF	20% 50V	
		WIDERSTANDSBLÖCKE			
CP451	1-231-731-00	COMPOSITION CIRCUIT BLOCK			
CP452	1-232-257-00	COMPOSITION CIRCUIT BLOCK			
		DIODE			
D456	8-719-911-19	DIODE 1SS119			
		IC			
IC451	8-759-619-03	IC M51903L			
		DIODEN			
LED451	8-719-901-96	DIODE SLP161B			
LED452	8-719-903-61	DIODE SLP361B			
LED454	8-719-912-61	DIODE SLP261B			
LED455	8-719-902-06	DIODE SLP152B-50			
		WIDERSTÄNDE			
R451	1-246-799-00	CARBON	22K	1/8W	
R452	1-246-771-00	CARBON	100	1/8W	
R453	1-246-787-00	CARBON	2.2K	1/8W	
		POTENTIOMETER			
RV451	1-228-366-00	RES, VAR, CARBON 20K/20K			
		SCHALTER			
S451	1-553-329-00	SWITCH, PUSH (MONO KEY)			
S452	1-554-118-00	SWITCH, PUSH			
S453	1-553-329-00	SWITCH, PUSH (MONO KEY)			
S454	1-554-118-00	SWITCH, PUSH			
S455	1-553-766-00	SWITCH, KEY BOARD			
S456	1-553-766-00	SWITCH, KEY BOARD			
S457	1-553-766-00	SWITCH, KEY BOARD			
S458	1-553-766-00	SWITCH, KEY BOARD			
S459	1-553-766-00	SWITCH, KEY BOARD			
S460	1-553-766-00	SWITCH, KEY BOARD			
S461	1-553-766-00	SWITCH, KEY BOARD			
**********					
♦:	1-607-159-00	PLATINE H2 **********			
		SCHALTER			
S462	1-553-766-00	SWITCH, KEY BOARD			
S463	1-553-766-00	SWITCH, KEY BOARD			

Pos.-Nr.	ET-Nummer	Beschreibung			Bemerkung
♦:	1-607-160-00	PLATINE HL **********			
♦:	1-555-954-71	CONNECTOR ASSY (2.5MM) 9P			
♦:	1-556-098-51	CONNECTOR ASSY (2.5MM) 12P			
♦:	4-345-836-00	HOLDER (S-2), LED			
		IC			
IC401	8-759-600-18	IC M54847P			
		DIODEN			
LED401	8-719-106-34	DIODE SR632D			
LED402	8-719-106-34	DIODE SR632D			
LED403	8-719-106-34	DIODE SR632D			
LED404	8-719-106-34	DIODE SR632D			
LED405	8-719-106-34	DIODE SR632D			
LED406	8-719-114-34	DIODE SY432D			
LED407	8-719-114-34	DIODE SY432D			
LED408	8-719-114-34	DIODE SY432D			
LED409	8-719-106-34	DIODE SR632D			
LED410	8-719-803-24	DIODE TLR324			
		WIDERSTAND			
R401	1-246-477-00	CARBON	1.5K 5%	1/4W	
**********					
♦:	1-607-156-00	PLATINE K *********			
♦:	1-556-020-31	CONNECTOR ASSY (2.5MM) 3P			
♦:	1-556-235-41	CONNECTOR ASSY (2.5MM) 4P			
♦:	1-556-235-51	CONNECTOR ASSY (2.5MM) 4P			
♦:	1-556-236-71	CONNECTOR ASSY (2.5MM) 8P			
♦:	1-556-236-81	CONNECTOR ASSY (2.5MM) 8P			
		STECKER			
KP701	1-536-713-00	TERMINAL BOARD, CONNECTOR			
KP702	1-536-713-00	TERMINAL BOARD, CONNECTOR			
		WIDERSTÄNDE			
R701	1-246-830-00	CARBON	75	1/8W	
R702	1-246-787-00	CARBON	2.2K	1/8W	
R703	1-246-787-00	CARBON	2.2K	1/8W	
R704	1-246-804-00	CARBON	56K	1/8W	
R705	1-246-804-00	CARBON	56K	1/8W	
R706	1-246-787-00	CARBON	2.2K	1/8W	
R707	1-246-787-00	CARBON	2.2K	1/8W	
R708	1-246-830-00	CARBON	75	1/8W	
R709	1-246-787-00	CARBON	2.2K	1/8W	
R710	1-246-787-00	CARBON	2.2K	1/8W	
R711	1-246-804-00	CARBON	56K	1/8W	
R712	1-246-804-00	CARBON	56K	1/8W	
R713	1-246-787-00	CARBON	2.2K	1/8W	
R714	1-246-787-00	CARBON	2.2K	1/8W	

Pos.-Nr.	ET-Nummer	Beschreibung		Bemerkung
R715	1-246-769-00	CARBON	68	1/8W
R716	1-246-769-00	CARBON	68	1/8W
R717	1-246-783-00	CARBON	1K	1/8W
R718	1-246-791-00	CARBON	4.7K	1/8W
R719	1-246-791-00	CARBON	4.7K	1/8W
R720	1-246-811-00	CARBON	220K	1/8W
R721	1-246-811-00	CARBON	220K	1/8W
R722	1-246-791-00	CARBON	4.7K	1/8W
R723	1-246-791-00	CARBON	4.7K	1/8W
R724	1-246-769-00	CARBON	68	1/8W
R725	1-246-769-00	CARBON	68	1/8W
R726	1-246-783-00	CARBON	1K	1/8W
R727	1-246-791-00	CARBON	4.7K	1/8W
R728	1-246-791-00	CARBON	4.7K	1/8W
R729	1-246-811-00	CARBON	220K	1/8W
R730	1-246-811-00	CARBON	220K	1/8W
R731	1-246-791-00	CARBON	4.7K	1/8W
R732	1-246-791-00	CARBON	4.7K	1/8W

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♦:1-607-161-00 **PLATINE Z**
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KONDENSATOREN

C501	1-102-973-00	CERAMIC	100PF	5%	50V
C502	1-102-973-00	CERAMIC	100PF	5%	50V
C503	1-123-356-00	ELECT	10MF	20%	16V
C504	1-123-356-00	ELECT	10MF	20%	16V
C505	1-123-333-00	ELECT	100MF	20%	16V
C506	1-123-333-00	ELECT	100MF	20%	16V
C507	1-123-318-00	ELECT	33MF	20%	16V
C508	1-123-321-00	ELECT	220MF	20%	16V
C509	1-161-494-00	CERAMIC	0.022MF	30%	25V
C510	1-161-494-00	CERAMIC	0.022MF	30%	25V

WIDERSTANDSBLÖCKE

CP501	1-232-261-00	COMPOSITION CIRCUIT BLOCK
CP502	1-232-261-00	COMPOSITION CIRCUIT BLOCK

IC

IC501	8-759-841-75	IC LA4175

BUCHSE

J501	1-507-657-00	JACK

SPULE

L501	1-408-163-00	MICRO INDUCTOR 5.6MMH

STECKER

Z1	♦:1-560-125-00	PLUG, CONNECTOR (2.5MM) 5P

Pos.-Nr.	ET-Nummer	Beschreibung		Bemerkung
	♦:1-606-794-00	**PLATINE N**		
		*********		
	1-232-234-00	COMPOSITION CIRCUIT BLOCK		
	♦:4-342-117-00	CASE, SHIELD (MAIN), R		
	♦:4-342-118-00	LID, SHIELD CASE, R		

KONDENSATOREN

C1	1-123-617-00	ELECT	10MF	20%	16V
C2	1-123-617-00	ELECT	10MF	20%	16V
C3	1-123-617-00	ELECT	10MF	20%	16V
C4	1-161-019-00	CERAMIC	0.033MF	10%	25V
C5	1-108-567-00	MYLAR	0.0033MF	5%	50V
C6	1-123-821-00	ELECT	47MF	20%	16V

DIODE

D1	8-719-110-32	DIODE PH302B

IC

IC1	8-759-113-73	IC UPC1373H

SPULE

L1	1-404-310-00	COIL

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SONSTIGES
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	⚠1-463-350-00	TUNER (BT-881)
	⚠1-551-427-11	CORD, POWER, EULO PLUG
	♦:1-555-069-00	CONNECTOR ASSY (2.5MM) 3P
	♦:1-555-754-00	CONNECTOR ASSY (2.5MM) 3P
	♦:1-555-966-81	CONNECTOR ASSY (2.5MM) 5P
	♦:1-556-057-21	CONNECTOR ASSY (LARGE) 3P
	♦:1-556-135-41	CONNECTOR ASSY (2.5MM) 7P
	⚠1-556-140-00	CABLE, ANTENNA
	♦:1-556-235-71	CONNECTOR ASSY (2.5MM) 4P
	♦:1-556-236-91	CONNECTOR ASSY (2.5MM) 8P
	⚠1-561-825-00	SOCKET, ANTENNA INPUT
	⚠2-245-510-00	CLAMPER CABLE
S901	⚠1-553-330-21	SWITCH, PUSH (POWER)

ZUBEHÖR UND VERPACKUNGSMATERIAL
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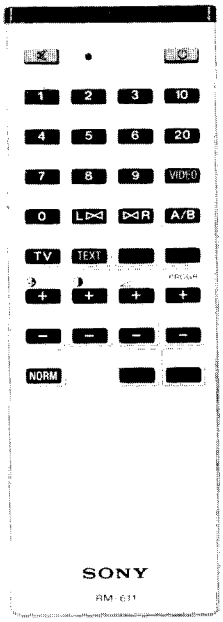
ET-Nummer	Beschreibung	Bemerkung
1-555-259-31	CABLE, VIDEO (VK-2D)	
3-701-630-00	BAG, POLYETHYLENE	
4-309-407-04	BAG, POLYETHYLENE	
4-357-829-00	INDIVIDUAL CARTON	
4-357-830-00	CUSHION (SIDE)	
4-357-831-00	CUSHION (UPPER)	
4-493-658-41	MANUAL, INSTRUCTION	

MEMO

RM-611



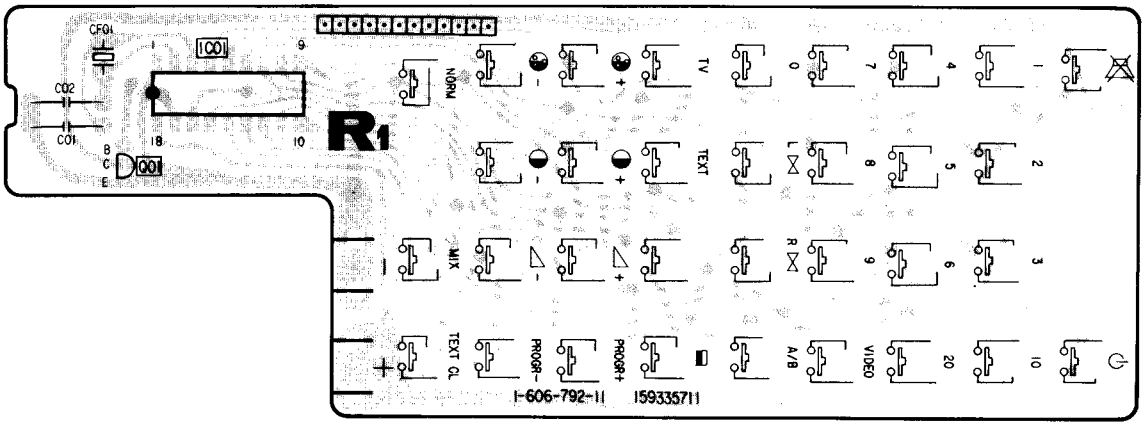
FERNBEDIENUNG

TECHNISCHE DATEN

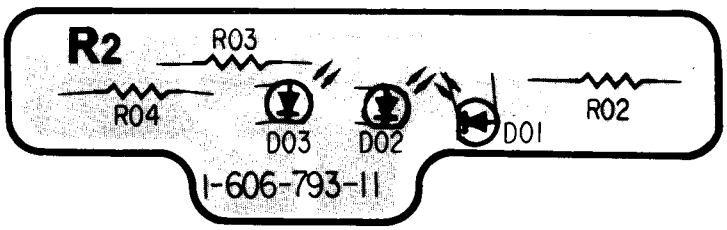
Fernbedienungssystem	IR
Stromversorgung	3 V Gleichspannung, 2 Mignonzellen (IEC-Bezeichnung R6)
Abmessungen (B x H x T)	ca. 65 x 185 x 18 mm
Gewicht	ca. 170 g inkl. Batterien
Mitgeliefertes Zubehör	2 Mignonzellen

1. BESTÜCKUNGSPLÄNE
-Lötseite-

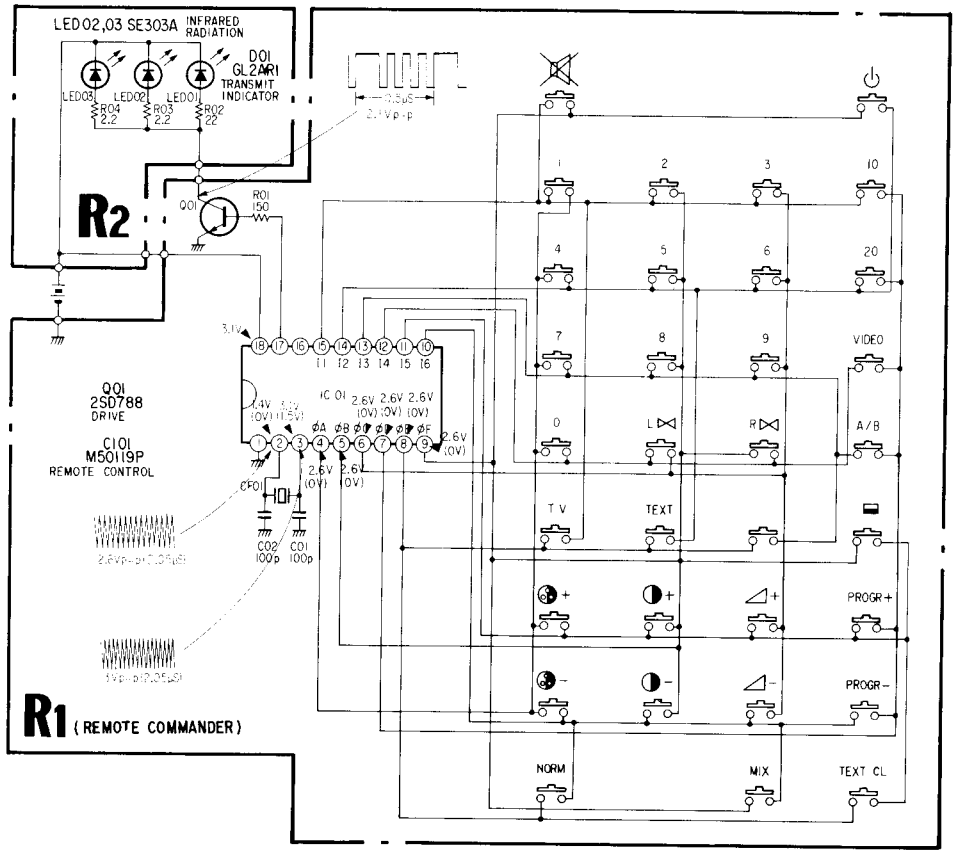
Platine R1



Platine R2



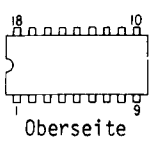
2. SCHALTBILD



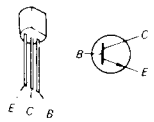
MODE \ IC PIN	10	11	12	13	14	15	17	Q01 B	Q01 C
⏻	3.	3.1	3.	3.	2.6	3.1	0	0	2.4
⊠	3.1	3.1	3.1	3.1	3.1	2.6	0	0	2.4
1	3.1	3.	3.	3.	3.1	2.6	0	0	2.4
2	3.1	3.1	3.	3.1	3.1	2.6	0	0	2.4
3	3.1	3.1	3.	3.1	3.	2.6	0	0	2.4
4	3.1	3.	3.	3.1	2.6	3.1	0	0	2.4
5	3.1	3.	3.1	3.	2.6	3.	0	0	2.4
6	3.1	3.	3.	3.1	2.6	3.1	0	0	2.4
7	3.1	3.1	3.1	2.6	3.1	3.1	0	0	2.4
8	3.1	3.1	3.1	2.6	3.1	3.1	0	0	2.4
9	3.1	3.	3.1	2.6	3.	3.	0	0	2.4
0	3.1	3.1	2.6	3.	3.	3.1	0	0	2.4
L	3.1	3.1	3.1	3.	3.1	2.6	0	0	2.4
20	3.	3.	3.	3.1	2.6	3.	0	0	2.4
VIDEO	3.1	3.	2.6	3.	3.1	3.1	0	0	2.4
R ⊠	3.1	3.1	2.6	3.	3.1	3.	0.2	0.1	2.2
R ⊠	3.1	3.1	2.6	3.1	3.	3.1	0.2	0.1	2.2
A/B	3.1	3.	3.1	2.6	3.1	3.1	0.2	0.1	2.2
TV	3.1	3.1	3.1	3.1	3.	2.6	0	0	2.4
TEXT	3.	3.1	3.	3.1	2.6	3.1	0	0	2.4
▬	3.	3.	3.1	2.6	3.	3.	0	0	2.4
◐ +	3.1	2.6	3.1	3.1	3.1	3.1	0.2	0.1	2.2
◐ +	3.1	2.6	3.1	3.	3.	3.1	0.2	0.1	2.2
◐ −	2.6	3.1	3.	3.1	3.	3.1	0.2	0.1	2.2
◑ +	3.1	2.6	3.1	3.1	3.	3.1	0.2	0.	2.2
◑ −	2.6	3.	3.1	3.1	3.	3.1	0.2	0.	2.2
◿ +	3.1	2.6	3.1	3.1	3.	3.	0.2	0.1	2.2
◿ −	2.6	3.	3.1	3.	3.1	3.	0.2	0.1	2.2
PROGR +	3.	2.6	3.	3.1	3.1	3.1	0.2	0.1	2.2
PROGR −	2.6	3.1	3.1	3.1	3.1	3.1	0.2	0.1	2.2
NORM	2.6	3.	3.1	3.	3.1	3.1	0	0	2.4
MIX	2.6	3.1	3.	3.	3.1	3.1	0	0	2.4
TEXT CL	3.	2.6	3.1	3.1	3.	3.	0.2	0.	2.2

* Alle Kondensatoren sind in µF, wenn nicht anders angegeben. Betriebsspannungen unter 50 V sind außer für Elektrolytkondensatoren nicht eingetragen.
* Alle Widerstände sind in Ohm und 1/4 W, wenn nicht anders angegeben.
* Für alle Potentiometer gilt die Kennlinie B, wenn nicht anders angegeben.

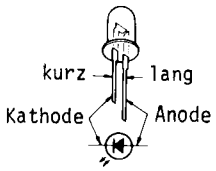
M50119P



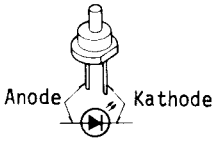
2SD788



3E303A SE303AX



GL2AR1



* Die angegebenen Spannungen gelten bei gedrückter A/B-Taste.
* Die in Klammern angegebenen Spannungen gelten bei nicht gedrückter A/B-Taste.

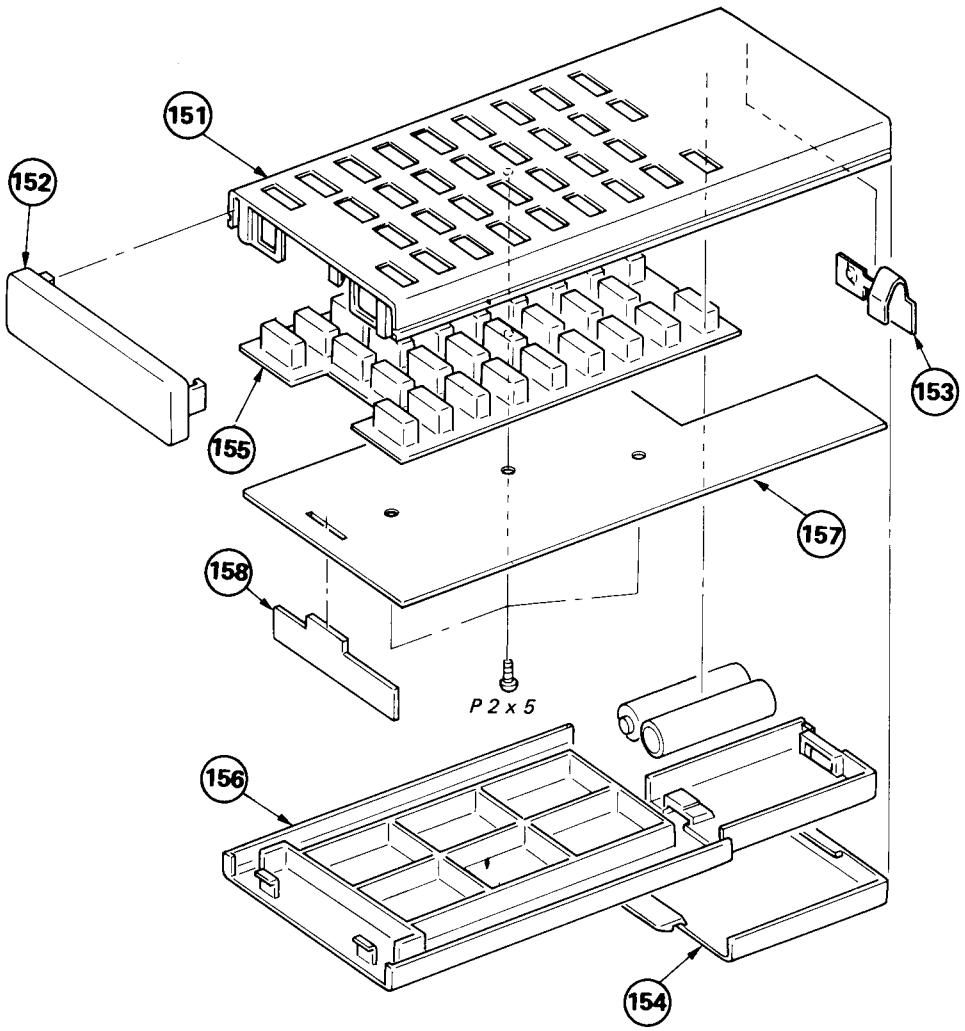
3. EXPLOSIONSDARSTELLUNG

Ersatzteile ohne ET-Nummer und Beschreibung sind nicht auf Lager, weil sie selten benötigt werden.

Die in der Spalte "Bemerkungen" angegebenen Nummern verweisen auf zusammengehörende Bauteile.

Für Teile, deren Positionsnummer mit E- beginnt, siehe die ET-Liste für elektrische Teile.

Die mit " ♦ " gekennzeichneten Teile sind nicht auf Lager, weil sie selten benötigt werden. Verzögerungen bei der Lieferung sind möglich.



Pos.-Nr.	ET-Nummer	Beschreibung	Bemerkung
151	X-4356-912-0	CASE (UPPER) ASSY, COMMANDER	
152	4-356-343-00	PANEL, COMMANDER (FRONT)	
153	4-356-344-00	TERMINAL (A), BATTERY	
154	4-356-347-00	LID, BATTERY CASE, COMMANDER	

Pos.-Nr.	ET-Nummer	Beschreibung	Bemerkung
155	4-356-348-11	KEY TOP, 34	
156	4-356-350-00	CASE (LOWER), COMMANDER	
157	♦:1-606-792-00	R1 BOARD	
158	♦:1-606-793-00	R2 BOARD	

4. ERSATZTEILLISTE

Pos.-Nr.	ET-Nummer	Beschreibung			Bemerkung
♁:	1-606-792-00	PLATINE R1 **********			
	4-356-345-00	TERMINAL (B), BATTERY			
	4-356-346-00	TERMINAL (C), BATTERY			
		KONDENSATOREN			
C01	1-161-271-00	CERAMIC	100PF	5% 50V	
C02	1-161-271-00	CERAMIC	100PF	5% 50V	
		FILTER			
CF01	1-527-476-00	OSCILLATOR, CERAMIC			
		IC			
IC01	8-759-600-07	IC M50119P			
		TRANSISTOR			
Q01	8-729-378-84	TRANSISTOR 2SD788-5			
♁:	1-606-793-00	PLATINE R2 **********			
		DIODEN			
D01	8-719-900-23	DIODE GL-2AR1			
LED02	8-719-103-03	DIODE SE303A			
LED03	8-719-103-03	DIODE SE303A			
		WIDERSTÄNDE			
R02	1-246-433-00	CARBON	22	5% 1/4W	
R03	1-246-409-00	CARBON	2.2	5% 1/4W	
R04	1-246-409-00	CARBON	2.2	5% 1/4W	

ZUBEHÖR UND VERPACKUNGSMATERIAL

ET-Nummer	Beschreibung	Bemerkung
3-701-628-00	BAG, POLYETHYLENE	

Die grau unterlegten und mit dem Zeichen ⚠ versehenen Bauteile sind für die Betriebssicherheit wichtig. Nur durch Originalteile mit der entsprechenden ET-Nummer ersetzen.

Aus Standardisierungsgründen können anstelle der in den Schaltbildern spezifizierten Ersatzteile Vergleichstypen verwendet werden.

Die mit " ♁ " gekennzeichneten Teile sind nicht auf Lager, weil sie selten benötigt werden. Verzögerungen bei der Lieferung sind möglich.

Alle einstellbaren Widerstände haben die typische Kennlinie B, wenn nicht anders angegeben.

KONDENSATOREN
MF = µF; PF = µµF.

WIDERSTÄNDE
Alle Widerstände sind in Ohm.
F = schwerentflammbar.

SPULEN
MMH = mH; UH = µH.

ELEKTROLYTKONDENSATOREN

NENNWERTE → : Nächsthöheren Spannungswert verwenden.

CAP. (μF)	6.3 VOLT.	10 VOLT.	16 VOLT.	25 VOLT.	35 VOLT.	50 VOLT.	63 VOLT.
	ET-Nr.	ET-Nr.	ET-Nr.	ET-Nr.	ET-Nr.	ET-Nr.	ET-Nr.
0.47						→	→
1.0						→	→
2.2						→	→
3.3						→	→
4.7				→	→	→	1-123-369-00
10			→	→	→	1-123-356-00	1-123-370-00
22			→	1-123-330-00	→	1-123-357-00	1-123-371-00
33	→	→	1-123-318-00	→	1-123-343-00	→	1-123-372-00
47	→	1-123-306-00	→	1-123-332-00	→	1-123-359-00	1-123-373-00
100	→	1-123-307-00	→	1-123-333-00	1-123-345-00	1-123-360-00	1-123-374-00
220	→	1-123-308-00	1-123-321-00	1-123-334-00	1-123-346-00	1-123-361-00	1-123-375-00
330	→	1-123-309-00	1-123-322-00	1-123-335-00	1-123-347-00	1-123-362-00	1-123-376-00
470	1-123-298-00	1-123-310-00	1-123-323-00	1-123-336-00	1-123-348-00	1-123-363-00	1-123-377-00
1000	1-123-299-00	1-123-311-00	1-123-324-00	1-123-337-00	1-123-349-00	1-123-364-00	1-123-378-00
2200	1-123-300-00	→	1-123-325-00	1-123-338-00	1-123-350-00		
3300	1-123-301-00	1-123-313-00	1-123-326-00	1-123-339-00			
4700	1-123-302-00	1-123-314-00	1-123-327-00				
6800	1-123-303-00	1-123-315-00					
10000	1-123-304-00						

CAP. (μF)	100 VOLT.	160 VOLT.	250 VOLT.	350 VOLT.
	ET-Nr.	ET-Nr.	ET-Nr.	ET-Nr.
0.47	1-123-379-00			
1.0	1-123-380-00	1-123-252-00	1-123-003-00	1-121-168-00
2.2	1-123-381-00	1-123-026-00	1-123-027-00	1-123-028-00
3.3	1-123-382-00	1-121-707-00	1-123-004-00	1-123-006-00
4.7	1-123-383-00	1-121-246-00	1-121-759-00	1-123-007-00
10	1-123-384-00	1-121-999-00	1-123-254-00	1-123-008-00
22	1-123-385-00	1-123-253-00	1-123-005-00	1-123-022-00
33	1-123-386-00	1-121-757-00		
47	1-123-387-00	1-121-919-00		
100	1-123-388-00			
220	1-123-389-00			
330	1-123-390-00			
470	1-123-391-00			

KERAMIKKONDENSATOREN

NENNWERTE

CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (pF)	50 VOLT.	CAP. (μF)	50 VOLT.
	ET-Nr.		ET-Nr.		ET-Nr.		ET-Nr.
0.5	1-101-837-00	22	1-102-959-00	150	1-101-361-00	0.001	1-102-074-00
0.75	1-101-586-00	24	1-102-960-00	160	1-101-367-00	0.0012	1-102-118-00
1.0	1-102-934-00	27	1-102-961-00	180	1-102-976-00	0.0015	1-102-119-00
1.5	1-101-576-00	30	1-102-962-00	200	1-102-977-00	0.0018	1-102-120-00
2.0	1-102-935-00	33	1-102-963-00	220	1-102-978-00	0.0022	1-102-121-00
3	1-102-936-00	36	1-102-964-00	240	1-102-979-00	0.0027	1-102-122-00
4	1-102-937-00	39	1-102-965-00	270	1-102-980-00	0.0033	1-102-123-00
5	1-102-942-00	43	1-102-966-00	300	1-102-981-00	0.0039	1-102-124-00
6	1-102-943-00	47	1-101-880-00	330	1-102-820-00	0.0047	1-102-125-00
7	1-102-944-00	51	1-101-882-00	360	1-102-821-00	0.0056	1-102-126-00
8	1-102-945-00	56	1-101-884-00	390	1-102-822-00	0.0068	1-102-127-00
9	1-102-946-00	62	1-101-886-00	430	1-102-823-00	0.0082	1-102-128-00
10	1-102-947-00	68	1-101-888-00	470	1-102-824-00	0.01	1-102-129-00
11	1-102-948-00	75	1-101-890-00	510	1-101-059-00	0.022	1-101-005-00
12	1-102-949-00	82	1-102-971-00	560	1-102-115-00	0.047	1-101-006-00
13	1-102-950-00	91	1-102-972-00	680	1-102-116-00		
15	1-102-951-00	100	1-102-973-00	820	1-102-117-00		
16	1-102-952-00	110	1-102-815-00				
18	1-102-953-00	120	1-102-816-00				
20	1-102-958-00	130	1-101-081-00				

MYLARKONDENSATOREN

0.001μF = 1,000pF

NENNWERTE

CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.	CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.	CAP. (μF)	50 VOLT.	100 VOLT.	200 VOLT.
	ET-Nr.	ET-Nr.	ET-Nr.		ET-Nr.	ET-Nr.	ET-Nr.		ET-Nr.	ET-Nr.	ET-Nr.
0.001	1-108-227-00	1-108-365-00	1-108-409-00	0.01	1-108-239-00	1-108-377-00	1-108-421-00	0.1	1-108-251-00	1-108-389-00	1-108-433-00
0.0012	1-108-351-00	1-108-366-00	1-108-410-00	0.012	1-108-357-00	1-108-378-00	1-108-422-00	0.12	1-108-363-00	1-108-390-00	1-108-434-00
0.0015	1-108-228-00	1-108-367-00	1-108-411-00	0.015	1-108-240-00	1-108-379-00	1-108-423-00	0.15	1-108-252-00	1-108-391-00	1-108-435-00
0.0018	1-108-352-00	1-108-368-00	1-108-412-00	0.018	1-108-358-00	1-108-380-00	1-108-424-00	0.18	1-108-364-00	1-108-392-00	1-108-436-00
0.0022	1-108-230-00	1-108-369-00	1-108-413-00	0.022	1-108-242-00	1-108-381-00	1-108-425-00	0.22	1-108-254-00	1-108-393-00	1-108-437-00
0.0027	1-108-353-00	1-108-370-00	1-108-414-00	0.027	1-108-359-00	1-108-382-00	1-108-426-00	0.27	1-108-854-00	–	–
0.0033	1-108-232-00	1-108-371-00	1-108-415-00	0.033	1-108-244-00	1-108-383-00	1-108-427-00	0.33	1-108-855-00	–	–
0.0039	1-108-354-00	1-108-372-00	1-108-416-00	0.039	1-108-360-00	1-108-384-00	1-108-428-00	0.39	1-108-856-00	–	–
0.0047	1-108-234-00	1-108-373-00	1-108-417-00	0.047	1-108-246-00	1-108-385-00	1-108-429-00	0.47	1-108-857-00	–	–
0.0056	1-108-355-00	1-108-374-00	1-108-418-00	0.056	1-108-361-00	1-108-386-00	1-108-430-00				
0.0068	1-108-237-00	1-108-375-00	1-108-419-00	0.068	1-108-249-00	1-108-387-00	1-108-431-00				
0.0082	1-108-356-00	1-108-376-00	1-108-420-00	0.082	1-108-362-00	1-108-388-00	1-108-432-00				

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